

**CODEX GENERAL STANDARD FOR FOOD ADDITIVES****CODEX STAN 192-1995****PREAMBLE****1. SCOPE****1.1 FOOD ADDITIVES INCLUDED IN THIS STANDARD**

Only the food additives listed herein are recognized as suitable for use in foods in conformance with the provisions of this Standard.<sup>1</sup> Only food additives that have been assigned an Acceptable Daily Intake (ADI) or determined, on the basis of other criteria, to be safe<sup>2</sup> by the Joint FAO/WHO Expert Committee on Food Additives (JECFA)<sup>3</sup> and an International Numbering System (INS) designation by Codex will be considered for inclusion in this Standard. The use of additives in conformance with this Standard is considered to be technologically justified.

**1.2 FOODS IN WHICH ADDITIVES MAY BE USED**

This Standard sets forth the conditions under which food additives may be used in all foods, whether or not they have previously been standardized by Codex. The use of additives in foods standardized by Codex is subject to the conditions of use established by the Codex commodity standards and this Standard. The *General Standard for Food Additives* (GSFA) should be the single authoritative reference point for food additives. Codex commodity committees have the responsibility and expertise to appraise and justify the technological need for the use of additives in foods subject to a commodity standard. The information given by the commodity committees may also be taken into account by the Codex Committee on Food Additives (CCFA) when considering food additive provisions in similar non-standardized foods. When a food is not covered by a commodity committee, CCFA will appraise the technological need.

**1.3 FOODS IN WHICH ADDITIVES MAY NOT BE USED**

Food categories or individual food items in which the use of food additives is not acceptable, or where use should be restricted, are defined by this Standard.

**1.4 MAXIMUM USE LEVELS FOR FOOD ADDITIVES**

The primary objective of establishing maximum use levels for food additives in various food groups is to ensure that the intake of an additive from all its uses does not exceed its ADI.

The food additives covered by this Standard and their maximum use levels are based in part on the food additive provisions of previously established Codex commodity standards, or upon the request of governments after subjecting the requested maximum use levels to an appropriate method for verifying the compatibility of a proposed maximum level with the ADI.

Annex A of this Standard may be used as a first step in this regard. The evaluation of actual food consumption data is also encouraged.

<sup>1</sup> Notwithstanding the provisions of this Section of the General Standard, the lack of reference to a particular additive or to a particular use of an additive in a food in the General Standard as currently drafted, does not imply that the additive is unsafe or unsuitable for use in food. The Commission shall review the necessity for maintaining this footnote on a regular basis, with a view to its deletion once the General Standard is substantially complete.

<sup>2</sup> For the purpose of this standard “determined, on the basis of other criteria, to be safe” means that the use of a food additive does not pose a safety concern under conditions of use described by JECFA as being of no toxicological concern (e.g. use levels defined circumstances).

<sup>3</sup> A data base of food additive specifications with their current ADI status, the year of their most recent JECFA evaluation, their assigned INS numbers, etc. are available in English at the JECFA website at FAO <http://www.fao.org/ag/agn/jecfa-additives/search.html?lang=en> . The database has a query page and background information in English, French, Spanish, Arabic and Chinese. The reports of JECFA are available at the JECFA website at WHO <http://www.who.int/ipcs/food/jecfa/en/>

## 2. DEFINITIONS

- a) **Food additive** means any substance not normally consumed as a food by itself and not normally used as a typical ingredient of the food, whether or not it has nutritive value, the intentional addition of which to food for a technological (including organoleptic) purpose in the manufacture, processing, preparation, treatment, packing, packaging, transport or holding of such food results, or may be reasonably expected to result (directly or indirectly), in it or its by-products becoming a component of or otherwise affecting the characteristics of such foods. The term does not include contaminants or substances added to food for maintaining or improving nutritional qualities.<sup>4</sup>
- b) **Acceptable Daily Intake (ADI)** is an estimate by JECFA of the amount of a food additive, expressed on a body weight basis that can be ingested daily over a lifetime without appreciable health risk.<sup>5</sup>
- c) **Acceptable Daily Intake "Not Specified" (NS)**<sup>6</sup> is a term applicable to a food substance of very low toxicity for which, on the basis of the available data (chemical, biochemical, toxicological, and other), the total dietary intake of the substance, arising from its use at the levels necessary to achieve the desired effect and from its acceptable background levels in food, does not, in the opinion of JECFA, represent a hazard to health.

For the above reason, and for reasons stated in individual JECFA evaluations, establishment of an acceptable daily intake expressed in numerical form is not deemed necessary by JECFA. An additive meeting the above criterion must be used within the bounds of good manufacturing practice as defined in section 3.3 below.

- d) **Maximum Use Level** of an additive is the highest concentration of the additive determined to be functionally effective in a food or food category and agreed to be safe by the Codex Alimentarius Commission. It is generally expressed as mg additive/kg of food.

The maximum use level will not usually correspond to the optimum, recommended, or typical level of use. Under GMP, the optimum, recommended, or typical use level will differ for each application of an additive and is dependent on the intended technical effect and the specific food in which the additive would be used, taking into account the type of raw material, food processing and post-manufacture storage, transport and handling by distributors, retailers, and consumers.

## 3. GENERAL PRINCIPLES FOR THE USE OF FOOD ADDITIVES

The use of food additives in conformance with this Standard requires adherence to all the principles set forth in Sections 3.1 – 3.4.

### 3.1 FOOD ADDITIVE SAFETY

- a) Only those food additives shall be endorsed and included in this Standard that, so far as can be judged on the evidence presently available from JECFA, present no appreciable health risk to consumers at the use levels proposed.
- b) The inclusion of a food additive in this Standard shall have taken into account any ADI, or equivalent safety assessment established for the additive by JECFA and its probable daily

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<sup>4</sup> Codex Alimentarius Procedural Manual.

<sup>5</sup> Principles for the Safety Assessment of Food Additives and Contaminants in Food, World Health Organization, (WHO Environmental Health Criteria, No. 70), p. 111 (1987). For the purposes of this Standard, the phrase “without appreciable health risk” means that there is a reasonable certainty of no harm to consumers if an additive is used at levels that do not exceed those in this Standard. The provisions of this Standard do not sanction the use of an additive in a manner that would adversely affect consumer health.

<sup>6</sup> For purposes of this Standard, the phrase acceptable daily intake (ADI) “not limited” (NL) has the same meaning as ADI “not specified”. The phrase “acceptable ADI” refers to an evaluation by JECFA, which established safety on the basis of an acceptable level of treatment of food, limited numerically or by GMP, rather than on a toxicologically established ADI.

intake<sup>7</sup> from all food sources. Where the food additive is to be used in foods eaten by special groups of consumers (e.g. diabetics, those on special medical diets, sick individuals on formulated liquid diets), account shall be taken of the probable daily intake of the food additive by those consumers.

- c) The quantity of an additive added to food is at or below the maximum use level and is the lowest level necessary to achieve the intended technical effect. The maximum use level may be based on the application of the procedures of Annex A, the intake assessment of Codex members or upon a request by the CCFA to JECFA for an independent evaluation of national intake assessments.

### 3.2 JUSTIFICATION FOR THE USE OF ADDITIVES

The use of food additives is justified only when such use has an advantage, does not present an appreciable health risk to consumers, does not mislead the consumer, and serves one or more of the technological functions set out by Codex and the needs set out from (a) through (d) below, and only where these objectives cannot be achieved by other means that are economically and technologically practicable:

- a) To preserve the nutritional quality of the food; an intentional reduction in the nutritional quality of a food would be justified in the circumstances dealt with in sub-paragraph (b) and also in other circumstances where the food does not constitute a significant item in a normal diet;
- b) To provide necessary ingredients or constituents for foods manufactured for groups of consumers having special dietary needs;
- c) To enhance the keeping quality or stability of a food or to improve its organoleptic properties, provided that this does not change the nature, substance or quality of the food so as to deceive the consumer;
- d) To provide aids in the manufacture, processing, preparation, treatment, packing, transport or storage of food, provided that the additive is not used to disguise the effects of the use of faulty raw materials or of undesirable (including unhygienic) practices or techniques during the course of any of these activities.

### 3.3 GOOD MANUFACTURING PRACTICE (GMP)<sup>8</sup>

All food additives subject to the provisions of this Standard shall be used under conditions of good manufacturing practice, which include the following:

- a) The quantity of the additive added to food shall be limited to the lowest possible level necessary to accomplish its desired effect;
- b) The quantity of the additive that becomes a component of food as a result of its use in the manufacturing, processing or packaging of a food and which is not intended to accomplish any physical, or other technical effect in the food itself, is reduced to the extent reasonably possible; and,
- c) The additive is of appropriate food grade quality and is prepared and handled in the same way as a food ingredient.

### 3.4 SPECIFICATIONS FOR THE IDENTITY AND PURITY OF FOOD ADDITIVES

Food additives used in accordance with this Standard should be of appropriate food grade quality and should at all times conform with the applicable Specifications of Identity and Purity recommended by the Codex

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<sup>7</sup> Codex members may provide the CCFA with intake information that may be used by the Committee in establishing maximum use levels. Additionally, the JECFA, at the request of the CCFA, will evaluate intakes of additives based on intake assessments submitted by Codex members responding to a call for data. The CCFA will consider the JECFA evaluations when establishing the maximum use levels for additives.

<sup>8</sup> For additional information, see the Codex Alimentarius Commission Procedural Manual. Relations Between Commodity Committees and General Committees - Food Additives and Contaminants.

Alimentarius Commission<sup>9</sup> or, in the absence of such specifications, with appropriate specifications developed by responsible national or international bodies. In terms of safety, food grade quality is achieved by conformance of additives to their specifications as a whole (not merely with individual criteria) and through their production, storage, transport, and handling in accordance with GMP.

#### **4. CARRY-OVER OF FOOD ADDITIVES INTO FOODS**

##### **4.1 CONDITIONS APPLYING TO CARRY-OVER OF FOOD ADDITIVES FROM INGREDIENTS AND RAW MATERIALS INTO FOODS**

Other than by direct addition, an additive may be present in a food as a result of carry-over from a raw material or ingredient used to produce the food, provided that:

- a) The additive is acceptable for use in the raw materials or other ingredients (including food additives) according to this Standard;
- b) The amount of the additive in the raw materials or other ingredients (including food additives) does not exceed the maximum use level specified in this Standard;
- c) The food into which the additive is carried over does not contain the additive in greater quantity than would be introduced by the use of raw materials, or ingredients under proper technological conditions or manufacturing practice, consistent with the provisions of this standard.

##### **4.2 SPECIAL CONDITIONS APPLYING TO THE USE OF FOOD ADDITIVES NOT DIRECTLY AUTHORISED IN FOOD INGREDIENTS AND RAW MATERIALS**

An additive may be used in or added to a raw material or other ingredient if the raw material or ingredient is used exclusively in the preparation of a food that is in conformity with the provisions of this standard, including that any maximum level applying to the food is not exceeded.

##### **4.3 FOODS FOR WHICH THE CARRY-OVER OF FOOD ADDITIVES IS UNACCEPTABLE**

Carry-over of a food additive from a raw material or ingredient is unacceptable for foods belonging to the following food categories, unless a food additive provision in the specified category is listed in Tables 1 and 2 of this standard.

- a) 13.1 - Infant formulae, follow-up formulae, and formulae for special medical purposes for infants.
- b) 13.2 - Complementary foods for infants and young children.

#### **5. FOOD CATEGORY SYSTEM<sup>10</sup>**

The food category system is a tool for assigning food additive uses in this Standard. The food category system applies to all foodstuffs.

The food category descriptors are not to be legal product designations nor are they intended for labelling purposes.

The food category system is based on the following principles:

- a) The food category system is hierarchical, meaning that when an additive is recognized for use in a general category, it is recognized for use in all its sub-categories, unless otherwise stated.

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<sup>9</sup> An index (CAC/MISC 6) of all specifications adopted by the Codex Alimentarius Commission, as well as the year of adoption, is available at the Codex website (<http://www.codexalimentarius.org/standards/en/>). These specifications, prepared by the JECFA, are also being published in 2006 in the "Combined Compendium of Food Additive Specifications," FAO JECFA Monographs No. 1, which consists of four volumes and in subsequent JECFA Monographs. The specifications are also available at the JECFA website (<http://www.fao.org/ag/agn/jecfa-additives/search.html?lang=en>). Although specifications for flavourings are not included in the printed compendium, with the exception of those few which have an additional non-flavour technological function, they are included in an online searchable database at the JECFA website at FAO. <http://www.fao.org/food/food-safety-quality/scientific-advice/jecfa/jecfa-flav/en/>

<sup>10</sup> Annex B to this Standard.

Similarly, when an additive is recognized for use in a sub-category, its use is recognized in any further sub-categories or individual foodstuffs mentioned in a sub-category.

- b) The food category system is based on product descriptors of foodstuffs as marketed, unless otherwise stated.
- c) The food category system takes into consideration the carry-over principle. By doing so, the food category system does not need to specifically mention compound foodstuffs (e.g. prepared meals, such as pizza, because they may contain, *pro rata*, all the additives endorsed for use in their components), unless the compound foodstuff needs an additive that is not endorsed for use in any of its components.
- d) The food category system is used to simplify the reporting of food additive uses for assembling and constructing this Standard.

## 6. DESCRIPTION OF THE STANDARD

This Standard consists of three main components:

- a) Preamble
- b) Annexes
  - i. Annex A is a guideline for considering maximum use levels for additives with numerical JECFA ADIs.
  - ii. Annex B is a listing of the food category system used to develop and organize Tables 1, 2, and 3 of the standard. Descriptors for each food category and sub-category are also provided.
  - iii. Annex C is a cross-reference of the food category system and Codex commodity standards.
- c) Food Additive Provisions
  - i. Table 1 specifies, for each food additive or food additive group (in alphabetical order) with a numerical JECFA ADI, the food categories (or foods) in which the additive is recognized for use, the maximum use levels for each food or food category, and its technological function. Table 1 also includes the uses of those additives with non-numerical ADIs for which a maximum use level is specified.
  - ii. Table 2 contains the same information as Table 1, but the information is arranged by food category number.
  - iii. Table 3 lists additives with Not Specified or Not Limited JECFA ADIs that are acceptable for use in foods in general when used at *quantum satis* levels and in accordance with the principles of good manufacturing practice described in Section 3.3 of this preamble.

The Annex to Table 3 lists food categories and individual food items excluded from the general conditions of Table 3. The provisions in Tables 1 and 2 govern the use of additives in the food categories listed in the Annex to Table 3.

Unless otherwise specified, maximum use levels for additives in Tables 1 and 2 are set on the final product as consumed.

Tables 1, 2, and 3 do not include references to the use of substances as processing aids.<sup>11</sup>

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<sup>11</sup> Processing Aid means any substance or material, not including apparatus or utensils, and not consumed as a food ingredient by itself, intentionally used in the processing of raw materials, foods or its ingredients to fulfill a certain technological purpose during treatment or processing and which may result in the non-intentional but unavoidable presence of residues or derivatives in the final product: Codex Alimentarius Commission Procedural Manual.

## ANNEX A

**GUIDELINES FOR THE DEVELOPMENT OF MAXIMUM LEVELS FOR THE USE OF FOOD ADDITIVES WITH NUMERICAL ACCEPTABLE DAILY INTAKES**

This annex is intended as a guidance to screen proposals for use of additives based on consideration of their maximum use level and the physiological upper limit to the amount of food and drink that can be consumed each day. The Annex is not intended for allocating provisions for the use of an additive and cannot be used for calculating accurate additive intakes.

**FOOD ADDITIVES - BASIC PRINCIPLES FOR CALCULATION OF USE LEVELS***Guideline 1*

The levels and quantities of food additives used in the Budget Method calculations should be expressed on the same basis as the substances on which the ADI was allocated (e.g. an acid or its salts). For foods sold as concentrates or powders intended for reconstitution before consumption, the Budget calculation on the food additive use levels should be performed on the ready-to-eat product.

**ESTIMATION OF THE SAFETY ASPECTS OF USE LEVELS - FOOD ADDITIVES WITH NO NUMERICAL ADI***Guideline 2***FOOD ADDITIVES WITH AN ADI OF “NOT SPECIFIED”**

When an additive has been allocated an ADI "not specified"<sup>12</sup> it could in principle, be allowed for use in foods in general with no limitation other than in accordance with Good Manufacturing Practices (GMP). It should, however, be born in mind that ADI not specified does not mean that unlimited intake is acceptable. The term is used by JECFA in case where "on the basis of the available data (chemical, biochemical, toxicological, and other) the total daily intake of the substance arising from its use at the levels necessary to achieve the desired effect and from its acceptable background in food does not, in the opinion of the Committee, represent a hazard to health"<sup>1</sup>

If, therefore, a substance is used in larger amounts and/or in a wider range of foods than originally envisaged by JECFA it may be necessary to consult JECFA to ensure that the new uses fall within the evaluation. For example a substance may have been evaluated as a humectant without including a later use as a bulk sweetener, which could give considerable higher intake.

*Guideline 3***FOOD ADDITIVES EVALUATED AS “ACCEPTABLE” FOR CERTAIN PURPOSES**

In some cases, JECFA has been unable to allocate an ADI but nevertheless found a specific use of a substance acceptable. In such cases, the additive in question should only be authorized in accordance with the conditions specified. In case of any other reported uses CCFA should request JECFA to re-evaluate the additive in question in light of the new information on uses.

**ESTIMATION OF THE SAFETY ASPECTS OF USE LEVELS - FOOD ADDITIVES WITH NUMERICAL ADI***Guideline 4***FRACTIONS OF THE ADI TO BE USED FOR SOLID FOOD AND BEVERAGES, RESPECTIVELY**

If an additive is proposed for use in both solid food and in beverages the full ADI cannot be used for both for uses in solid food and uses in beverages. It is therefore necessary to allocate a fraction of the ADI to each of the applications. As a first approach, it may be appropriate to assume that one-half of the ADI is allocated to

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<sup>12</sup> *Principles for the Safety Assessment of Food Additives and Contaminants in Food*. Geneva, World Health Organization, 1987 (Environmental Health Criteria, No. 70), p.83.

each solid and liquid foods. However, in special cases other fractions may be more appropriate as long as the sum of the fractions does not exceed the figure for the ADI (e.g. FS=1/4 and FB=3/4 ; FS=1/6 and FB=5/6), where **FS** is the fraction for use in solid food and **FB** is the fraction for use in beverages). If the additive is used only in solid food, then FS =1 and FB=0 and if the additive is used only in beverages, then FS=0 and FB=1.

### **III(a) FOOD ADDITIVE USES IN SOLID FOOD (FS)**

#### ***Guideline 5***

##### **USE LEVELS BELOW FS x ADI x 40**

If the proposed use levels are below FS x ADI x 40, these food additive provisions could be suitable in food in general.

#### ***Guideline 6***

##### **USE LEVELS BELOW FS x ADI x 80**

If the proposed use levels are below FS x ADI x 80 they are acceptable provided the daily consumption of the foods containing the additive will usually not exceed half of the assumed maximum total solid food intake (i.e. 12.5 g/kg bw/day).

#### ***Guideline 7***

##### **USE LEVELS BELOW FS x ADI x 160**

If the proposed use levels are below FS x ADI x 160 they are acceptable provided the daily consumption of the foods containing the additive will usually not exceed one fourth of the assumed maximum total solid food intake (i.e. 6.25 g/kg bw/day).

#### ***Guideline 8***

##### **USE LEVELS BELOW FS x ADI x 320**

If the proposed use levels are below FS x ADI x 320 they could be accepted provided the daily consumption of the foods containing the additive will usually not exceed one eighth of the assumed maximum total food intake (i.e. 3.13 g/kg bw/day).

#### ***Guideline 9***

##### **USE LEVELS ABOVE FS x ADI x 320**

If the proposed levels are higher than FS x ADI x 320 they should only be accepted for products where calculation of potential intake from all proposed uses will show that exceeding the ADI is unlikely, or if estimation of the intake of the additive based on more exact intake estimates methods show that the use levels are acceptable (e.g. food consumption surveys).

### **III(b) FOOD ADDITIVE USES IN BEVERAGES (FL)**

#### ***Guideline 10***

##### **USE LEVELS BELOW FL x ADI x 10**

If the proposed levels are below FL x ADI x 10 , the additive could be accepted for use in all beverages in general.

#### ***Guideline 11***

##### **USE LEVELS BELOW FL x ADI x 20**

If the proposed use levels are below FL x ADI x 20 they could be accepted provided the daily consumption of beverages containing the additive will usually not exceed half of the assumed maximum total intake of beverage (i.e. 50 ml/kg bw/day).

***Guideline 12*****USE LEVELS BELOW FS x ADI x 40**

If the proposed use levels are below FL x ADI x 40 they could be accepted provided the daily consumption of beverages containing the additive will usually not exceed a fourth of the assumed maximum total intake of beverage (i.e. 25 ml/kg bw/day).

***Guideline 13*****USE LEVELS BELOW FL x ADI x 80**

If the proposed use levels are below FL x ADI x 80 they could be accepted provided the daily consumption of beverages containing the additive will usually not exceed an eighth of the assumed maximum total intake of beverage (i.e. 12.5 ml/kg bw/day).

***Guideline 14*****USE LEVELS ABOVE FL x ADI x 80**

Levels above FL x ADI x 80 should only be accepted for products where calculation of potential intake will show that exceeding the ADI is unlikely (e.g. strong alcoholic beverages).



## ANNEX B

## FOOD CATEGORY SYSTEM

**PART I: Food Category System**

- 01.0 Dairy products and analogues, excluding products of food category 02.0
  - 01.1 Milk and dairy-based drinks
    - 01.1.1 Milk and buttermilk (plain)
      - 01.1.1.1 Milk (plain)
      - 01.1.1.2 Buttermilk (plain)
    - 01.1.2 Dairy-based drinks, flavoured and/or fermented (e.g. chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)
  - 01.2 Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)
    - 01.2.1 Fermented milks (plain)
      - 01.2.1.1 Fermented milks (plain), not heat-treated after fermentation
      - 01.2.1.2 Fermented milks (plain), heat-treated after fermentation
    - 01.2.2 Renneted milk (plain)
  - 01.3 Condensed milk and analogues (plain)
    - 01.3.1 Condensed milk (plain)
    - 01.3.2 Beverage whiteners
  - 01.4 Cream (plain) and the like
    - 01.4.1 Pasteurized cream (plain)
    - 01.4.2 Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)
    - 01.4.3 Clotted cream (plain)
    - 01.4.4 Cream analogues
  - 01.5 Milk powder and cream powder and powder analogues (plain)
    - 01.5.1 Milk powder and cream powder (plain)
    - 01.5.2 Milk and cream powder analogues
  - 01.6 Cheese and analogues
    - 01.6.1 Unripened cheese
    - 01.6.2 Ripened cheese
      - 01.6.2.1 Ripened cheese, includes rind
      - 01.6.2.2 Rind of ripened cheese
      - 01.6.2.3 Cheese powder (for reconstitution; e.g. for cheese sauces)
    - 01.6.3 Whey cheese
    - 01.6.4 Processed cheese
      - 01.6.4.1 Plain processed cheese
      - 01.6.4.2 Flavoured processed cheese, including containing fruit, vegetables, meat, etc.

- 01.6.5 Cheese analogues
- 01.6.6 Whey protein cheese
- 01.7 Dairy-based desserts (e.g. pudding, fruit or flavoured yoghurt)
- 01.8 Whey and whey products, excluding whey cheeses
  - 01.8.1 Liquid whey and whey products, excluding whey cheeses
  - 01.8.2 Dried whey and whey products, excluding whey cheeses
- 02.0 Fats and oils, and fat emulsions
  - 02.1 Fats and oils essentially free from water
    - 02.1.1 Butter oil, anhydrous milkfat, ghee
    - 02.1.2 Vegetable oils and fats
    - 02.1.3 Lard, tallow, fish oil, and other animal fats
  - 02.2 Fat emulsions mainly of type water-in-oil
    - 02.2.1 Butter
    - 02.2.2 Fat spreads, dairy fat spreads and blended spreads
  - 02.3 Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions
  - 02.4 Fat-based desserts excluding dairy-based dessert products of food category 01.7
- 03.0 Edible ices, including sherbet and sorbet
- 04.0 Fruits and vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds
  - 04.1 Fruit
    - 04.1.1 Fresh fruit
      - 04.1.1.1 Untreated fresh fruit
      - 04.1.1.2 Surface-treated fresh fruit
      - 04.1.1.3 Peeled or cut fresh fruit
    - 04.1.2 Processed fruit
      - 04.1.2.1 Frozen fruit
      - 04.1.2.2 Dried fruit
      - 04.1.2.3 Fruit in vinegar, oil, or brine
      - 04.1.2.4 Canned or bottled (pasteurized) fruit
      - 04.1.2.5 Jams, jellies, marmalades
      - 04.1.2.6 Fruit-based spreads (e.g. chutney) excluding products of food category 04.1.2.5
      - 04.1.2.7 Candied fruit
      - 04.1.2.8 Fruit preparations, including pulp, purees, fruit toppings and coconut milk
      - 04.1.2.9 Fruit-based desserts, incl. fruit-flavoured water-based desserts
      - 04.1.2.10 Fermented fruit products
      - 04.1.2.11 Fruit fillings for pastries
      - 04.1.2.12 Cooked fruit

- 04.2 Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds
  - 04.2.1 Fresh vegetables, (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds and nuts and seeds
    - 04.2.1.1 Untreated fresh vegetables, (including mushrooms and fungi, roots and tubers, pulses and legumes (including soybeans), and aloe vera), seaweeds and nuts and seeds
    - 04.2.1.2 Surface-treated fresh vegetables, (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds and nuts and seeds
    - 04.2.1.3 Peeled, cut or shredded fresh vegetables, (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds and nuts and seeds
  - 04.2.2 Processed vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds
    - 04.2.2.1 Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds and nuts and seeds
    - 04.2.2.2 Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds
    - 04.2.2.3 Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce
    - 04.2.2.4 Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds
    - 04.2.2.5 Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g. peanut butter)
    - 04.2.2.6 Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g. vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5
    - 04.2.2.7 Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3
    - 04.2.2.8 Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds

## 05.0 Confectionery

- 05.1 Cocoa products and chocolate products including imitations and chocolate substitutes
  - 05.1.1 Cocoa mixes (powders) and cocoa mass/cake
  - 05.1.2 Cocoa mixes (syrops)
  - 05.1.3 Cocoa-based spreads, incl. fillings
  - 05.1.4 Cocoa and chocolate products
  - 05.1.5 Imitation chocolate, chocolate substitute products

- 05.2 Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4
  - 05.2.1 Hard candy
  - 05.2.2 Soft candy
  - 05.2.3 Nougats and marzipans
- 05.3 Chewing gum
- 05.4 Decorations (e.g. for fine bakery wares), toppings (non-fruit), and sweet sauces
- 06.0 Cereals and cereal products, derived from cereal grains, from roots and tubers, pulses, legumes and pith or soft core of palm tree, excluding bakery wares of food category 07.0
  - 06.1 Whole, broken, or flaked grain, including rice
  - 06.2 Flours and starches (including soybean powder)
    - 06.2.1 Flours
    - 06.2.2 Starches
  - 06.3 Breakfast cereals, including rolled oats
  - 06.4 Pastas and noodles and like products (e.g. rice paper, rice vermicelli, soybean pastas and noodles)
    - 06.4.1 Fresh pastas and noodles and like products
    - 06.4.2 Dried pastas and noodles and like products
    - 06.4.3 Pre-cooked pastas and noodles and like products
  - 06.5 Cereal and starch based desserts (e.g. rice pudding, tapioca pudding)
  - 06.6 Batters (e.g. for breading or batters for fish or poultry)
  - 06.7 Pre-cooked or processed rice products, including rice cakes (Oriental type only)
  - 06.8 Soybean products (excluding soybean-based seasonings and condiments of food category 12.9)
    - 06.8.1 Soybean-based beverages
    - 06.8.2 Soybean-based beverage film
    - 06.8.3 Soybean curd (tofu)
    - 06.8.4 Semi-dehydrated soybean curd
      - 06.8.4.1 Thick gravy-stewed semi-dehydrated soybean curd
      - 06.8.4.2 Deep fried semi-dehydrated soybean curd
      - 06.8.4.3 Semi-dehydrated soybean curd, other than food categories 06.8.4.1 and 06.8.4.2
    - 06.8.5 Dehydrated soybean curd (kori tofu)
    - 06.8.6 Fermented soybeans (e.g. natto, tempe)
    - 06.8.7 Fermented soybean curd
    - 06.8.8 Other soybean protein products
- 07.0 Bakery wares
  - 07.1 Bread and ordinary bakery wares and mixes
    - 07.1.1 Breads and rolls
      - 07.1.1.1 Yeast-leavened breads and specialty breads
      - 07.1.1.2 Soda breads

- 07.1.2 Crackers, excluding sweet crackers
- 07.1.3 Other ordinary bakery products (e.g. bagels, pita, English muffins)
- 07.1.4 Bread-type products, including bread stuffing and bread crumbs
- 07.1.5 Steamed breads and buns
- 07.1.6 Mixes for bread and ordinary bakery wares
- 07.2 Fine bakery wares (sweet, salty, savoury) and mixes
  - 07.2.1 Cakes, cookies and pies (e.g. fruit-filled or custard types)
  - 07.2.2 Other fine bakery products (e.g. doughnuts, sweet rolls, scones, and muffins)
  - 07.2.3 Mixes for fine bakery wares (e.g. cakes, pancakes)
- 08.0 Meat and meat products, including poultry and game
  - 08.1 Fresh meat, poultry, and game
    - 08.1.1 Fresh meat, poultry and game, whole pieces or cuts
    - 08.1.2 Fresh meat, poultry and game, comminuted
  - 08.2 Processed meat, poultry, and game products in whole pieces or cuts
    - 08.2.1 Non-heat treated processed meat, poultry, and game products in whole pieces or cuts
      - 08.2.1.1 Cured (including salted) non-heat treated processed meat, poultry, and game products in whole pieces or cuts
      - 08.2.1.2 Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts
      - 08.2.1.3 Fermented non-heat treated processed meat, poultry, and game products in whole pieces or cuts
    - 08.2.2 Heat-treated processed meat, poultry, and game products in whole pieces or cuts
    - 08.2.3 Frozen processed meat, poultry and game products in whole pieces or cuts
  - 08.3 Processed comminuted meat, poultry, and game products
    - 08.3.1 Non-heat treated processed comminuted meat, poultry, and game products
      - 08.3.1.1 Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products
      - 08.3.1.2 Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products
      - 08.3.1.3 Fermented non-heat treated processed comminuted meat, poultry, and game products
    - 08.3.2 Heat-treated processed comminuted meat, poultry, and game products
    - 08.3.3 Frozen processed comminuted meat, poultry, and game products
  - 08.4 Edible casings (e.g. sausage casings)
- 09.0 Fish and fish products, including molluscs, crustaceans, and echinoderms
  - 09.1 Fresh fish and fish products, including molluscs, crustaceans, and echinoderms
    - 09.1.1 Fresh fish
    - 09.1.2 Fresh molluscs, crustaceans, and echinoderms
  - 09.2 Processed fish and fish products, including molluscs, crustaceans, and echinoderms
    - 09.2.1 Frozen fish, fish fillets, and fish products, including molluscs, crustaceans, and echinoderms

- 09.2.2 Frozen battered fish, fish fillets and fish products, including molluscs, crustaceans, and echinoderms
- 09.2.3 Frozen minced and creamed fish products, including molluscs, crustaceans, and echinoderms
- 09.2.4 Cooked and/or fried fish and fish products, including molluscs, crustaceans, and echinoderms
  - 09.2.4.1 Cooked fish and fish products
  - 09.2.4.2 Cooked molluscs, crustaceans, and echinoderms
  - 09.2.4.3 Fried fish and fish products, including molluscs, crustaceans, and echinoderms
- 09.2.5 Smoked, dried, fermented, and/or salted fish and fish products, including molluscs, crustaceans, and echinoderms
- 09.3 Semi-preserved fish and fish products, including molluscs, crustaceans, and echinoderms
  - 09.3.1 Fish and fish products, including molluscs, crustaceans, and echinoderms, marinated and/or in jelly
  - 09.3.2 Fish and fish products, including molluscs, crustaceans and echinoderms, pickled and/or in brine
  - 09.3.3 Salmon substitutes, caviar and other fish roe products
  - 09.3.4 Semi-preserved fish and fish products, including molluscs, crustaceans and echinoderms (e.g. fish paste), excluding products of food categories 09.3.1 - 09.3.3
- 09.4 Fully preserved, including canned or fermented fish and fish products, including molluscs, crustaceans, and echinoderms
- 10.0 Eggs and egg products
  - 10.1 Fresh eggs
  - 10.2 Egg products
    - 10.2.1 Liquid egg products
    - 10.2.2 Frozen egg products
    - 10.2.3 Dried and/or heat coagulated egg products
  - 10.3 Preserved eggs, including alkaline, salted, and canned eggs
  - 10.4 Egg-based desserts (e.g. custard)
- 11.0 Sweeteners, including honey
  - 11.1 Refined and raw sugars
    - 11.1.1 White sugar, dextrose anhydrous, dextrose monohydrate, fructose
    - 11.1.2 Powdered sugar, powdered dextrose
    - 11.1.3 Soft white sugar, soft brown sugar, glucose syrup, dried glucose syrup, raw cane sugar
      - 11.1.3.1 Dried glucose syrup used to manufacture sugar confectionery
      - 11.1.3.2 Glucose syrup used to manufacture sugar confectionery
    - 11.1.4 Lactose
    - 11.1.5 Plantation or mill white sugar
  - 11.2 Brown sugar excluding products of food category 11.1.3
  - 11.3 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3

- 11.4 Other sugars and syrups (e.g. xylose, maple syrup, sugar toppings)
- 11.5 Honey
- 11.6 Table-top sweeteners, including those containing high-intensity sweeteners
- 12.0 Salts, spices, soups, sauces, salads and protein products
  - 12.1 Salt and salt substitutes
    - 12.1.1 Salt
    - 12.1.2 Salt substitutes
  - 12.2 Herbs, spices, seasonings, and condiments (e.g. seasoning for instant noodles)
    - 12.2.1 Herbs and spices
    - 12.2.2 Seasonings and condiments
  - 12.3 Vinegars
  - 12.4 Mustards
  - 12.5 Soups and broths
    - 12.5.1 Ready-to-eat soups and broths, including canned, bottled, and frozen
    - 12.5.2 Mixes for soups and broths
  - 12.6 Sauces and like products
    - 12.6.1 Emulsified sauces and dips (e.g. mayonnaise, salad dressing, onion dips)
    - 12.6.2 Non-emulsified sauces (e.g. ketchup, cheese sauce, cream sauce, brown gravy)
    - 12.6.3 Mixes for sauces and gravies
    - 12.6.4 Clear sauces (e.g. fish sauce)
  - 12.7 Salads (e.g. macaroni salad, potato salad) and sandwich spreads excluding cocoa-and nut-based spreads of food categories 04.2.2.5 and 05.1.3
  - 12.8 Yeast and like products
  - 12.9 Soybean-based seasonings and condiments
    - 12.9.1 Fermented soybean paste (e.g. miso)
    - 12.9.2 Soybean sauce
      - 12.9.2.1 Fermented soybean sauce
      - 12.9.2.2 Non-fermented soybean sauce
      - 12.9.2.3 Other soybean sauces
  - 12.10 Protein products other than from soybeans
- 13.0 Foodstuffs intended for particular nutritional uses
  - 13.1 Infant formulae, follow-on formulae, and formulae for special medical purposes for infants
    - 13.1.1 Infant formulae
    - 13.1.2 Follow-up formulae
    - 13.1.3 Formulae for special medical purposes for infants
  - 13.2 Complementary foods for infants and young children
  - 13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)
  - 13.4 Dietetic formulae for slimming purposes and weight reduction

- 13.5 Dietetic foods (e.g. supplementary foods for dietary use) excluding products of food categories 13.1- 13.4 and 13.6
- 13.6 Food supplements
- 14.0 Beverages, excluding dairy products
  - 14.1 Non-alcoholic ("soft") beverages
    - 14.1.1 Waters
      - 14.1.1.1 Natural mineral waters and source waters
      - 14.1.1.2 Table waters and soda waters
    - 14.1.2 Fruit and vegetable juices
      - 14.1.2.1 Fruit juice
      - 14.1.2.2 Vegetable juice
      - 14.1.2.3 Concentrates for fruit juice
      - 14.1.2.4 Concentrates for vegetable juice
    - 14.1.3 Fruit and vegetable nectars
      - 14.1.3.1 Fruit nectar
      - 14.1.3.2 Vegetable nectar
      - 14.1.3.3 Concentrates for fruit nectar
      - 14.1.3.4 Concentrates for vegetable nectar
    - 14.1.4 Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks
      - 14.1.4.1 Carbonated water-based flavoured drinks
      - 14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades
      - 14.1.4.3 Concentrates (liquid or solid) for water-based flavoured drinks
    - 14.1.5 Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa
  - 14.2 Alcoholic beverages, including alcohol-free and low-alcoholic counterparts
    - 14.2.1 Beer and malt beverages
    - 14.2.2 Cider and perry
    - 14.2.3 Grape wines
      - 14.2.3.1 Still grape wine
      - 14.2.3.2 Sparkling and semi-sparkling grape wines
      - 14.2.3.3 Fortified grape wine, grape liquor wine, and sweet grape wine
    - 14.2.4 Wines (other than grape)
    - 14.2.5 Mead
    - 14.2.6 Distilled spirituous beverages containing more than 15% alcohol
    - 14.2.7 Aromatized alcoholic beverages (e.g. beer, wine and spirituous cooler-type beverages, low-alcoholic refreshers)



- 15.0 Ready-to-eat savouries
  - 15.1 Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)
  - 15.2 Processed nuts, including coated nuts and nut mixtures (with e.g. dried fruit)
  - 15.3 Snacks - fish based
- 16. Prepared foods

## **PART II: Food Category Descriptors**

### 01.0 Dairy products and analogues, excluding products of food category 02.0:

Includes all types of dairy products that are derived from the milk of any milking animal (e.g. cow, sheep, goat, buffalo). In this category, a “plain” product is one that is not flavoured, nor contains fruit, vegetables or other non-dairy ingredients, nor is mixed with other non-dairy ingredients, unless permitted by relevant standards. Analogues are products in which milk fat has been partially or wholly replaced by vegetable fats or oils.

#### 01.1 Milk and dairy-based drinks:

Includes all plain and flavoured fluid milk products based on skim, part-skim, low-fat and whole milk.

##### 01.1.1 Milk and buttermilk (plain):

Includes plain fluid products only. Includes reconstituted plain milk that contains only dairy ingredients.

###### 01.1.1.1 Milk (plain):

Fluid milk obtained from milking animals (e.g. cows, sheep, goats, buffalo). Milk is usually heat-treated by pasteurization, ultra-high temperature (UHT) treatment or sterilization.<sup>13</sup> Includes skim, part-skim, low-fat and whole milk.

###### 01.1.1.2 Buttermilk (plain):

Buttermilk is the nearly milkfat-free fluid remaining from the butter-making process (i.e. the churning fermented or non-fermented milk and cream). Buttermilk is also produced by fermentation of fluid skim milk, either by spontaneous souring by the action of lactic acid-forming or aroma-forming bacteria, or by inoculation of heated milk with pure bacterial cultures (cultured buttermilk).<sup>14</sup> Buttermilk may be pasteurized or sterilized.

##### 01.1.2 Dairy-based drinks, flavoured and/or fermented (e.g. chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks):

Includes all ready-to-drink flavoured and aromatized milk-based fluid beverages and their mixes, excluding mixes for cocoa (cocoa-sugar mixtures, category 05.1.1). Examples include: hot chocolate, chocolate malt drinks, strawberry-flavoured yoghurt drink, lactic acid bacteria drinks, and *lassi* (liquid obtained by whipping curd from the lactic acid fermentation of milk, and mixing with sugar or synthetic sweetener) .

##### 01.2 Fermented and renneted milk products (plain), excluding food category 01.1.2 dairy-based drinks):

Includes all plain products based on skim, part-skim, low-fat and whole milk. Flavoured products are included in 01.1.2 (beverages) and 01.7 (desserts).

###### 01.2.1 Fermented milks (plain):

Includes all plain products, including fluid fermented milk, acidified milk and cultured milk. Plain yoghurt, which does not contain flavours or colours, may be found in one of the sub-categories of 01.2.1 depending on whether it is heat-treated after fermentation or not.

###### 01.2.1.1 Fermented milks (plain), not heat-treated after fermentation:

Includes fluid and non-fluid plain products, such as yoghurt.<sup>15</sup>

###### 01.2.1.2 Fermented milks (plain), heat-treated after fermentation:

Products similar to that in 01.2.1.1, except that they have been heat-treated (e.g. sterilized or pasteurized) after fermentation.

<sup>13</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, p. 389.

<sup>14</sup> *Ibid.* p. 392.

<sup>15</sup> The use of food additives other than stabilizers and thickeners for reconstitution and recombination, if permitted by national legislation in the country of sale, is not acceptable in plain fermented milks, as defined in the *Standard for Fermented Milks* (CODEX STAN 243-2003).

### 01.2.2 Renneted milk (plain):

Plain, coagulated milk produced by the action of milk coagulating enzymes. Includes curdled milk. Flavoured renneted milk products are found in category 01.7.

### 01.3 Condensed milk and analogues (plain):

Includes plain and sweetened types of condensed milk, evaporated milk, and their analogues (including beverage whiteners). Includes products based on skim, part-skim, low-fat and whole milk, blends of evaporated skimmed milk and vegetable fat, and blends of sweetened condensed skimmed milk and vegetable fat.

#### 01.3.1 Condensed milk (plain):

Condensed milk is obtained by partial removal of water from milk to which sugar may have been added. For evaporated milk, the water removal may be accomplished by heating.<sup>16</sup> Includes partially dehydrated milk, evaporated milk, sweetened condensed milk, and *khoa* (cow or buffalo milk concentrated by boiling) .

#### 01.3.2 Beverage whiteners:

Milk or cream substitute consisting of a vegetable fat-water emulsion in water with milk protein and lactose or vegetable proteins for use in beverages such as coffee and tea. Also includes the same type of products in powdered form. Includes condensed milk analogues, blends of evaporated skimmed milk and vegetable fat and blends of sweetened condensed skimmed milk and vegetable fat.

### 01.4 Cream (plain) and the like:

Cream is a fluid dairy product, relatively high in fat content in comparison to milk. Includes all plain fluid, semi-fluid and semi-solid cream and cream analogue products. Flavoured cream products are found in 01.1.2 (beverages) and 01.7 (desserts).

#### 01.4.1 Pasteurized cream (plain):

Cream subjected to pasteurization by appropriate heat treatment or made from pasteurized milk.<sup>17</sup> Includes milk cream and “half-and-half.”

#### 01.4.2 Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain):

Includes every cream, regardless of fat content, which has undergone a higher heat-treatment than pasteurization. Also includes pasteurized creams with a reduced fat content, as well as every cream intended for whipping or being whipped. Sterilized cream is subjected to appropriate heat-treatment in the container in which it is presented to the consumer. Ultra-heat treated (UHT) or ultrapasteurized cream is subjected to the appropriate heat treatment (UHT or ultrapasteurization) in a continuous flow process and aseptically packaged. Cream may also be packaged under pressure (whipped cream).<sup>17</sup> Includes whipping cream, heavy cream, whipped pasteurized cream, and whipped cream-type dairy toppings and fillings. Creams or toppings with partial or total replacement of milkfat by other fats are included in sub-category 01.4.4 (cream analogues).

#### 01.4.3 Clotted cream (plain):

Thickened, viscous cream formed from the action of milk coagulating enzymes. Includes sour cream (cream subjected to lactic acid fermentation achieved as described for buttermilk (01.1.1.2)).<sup>18</sup>

#### 01.4.4 Cream analogues:

Cream substitute consisting of a vegetable fat-water emulsion in liquid or powdered form for use other than as a beverage whitener (01.3.2). Includes instant whipped cream toppings and sour cream substitutes.

### 01.5 Milk powder and cream powder and powder analogues (plain):

Includes plain milk powders, cream powders, or combination of the two, and their analogues. Includes products based on skim, part-skim, low-fat and whole milk.

<sup>16</sup> *Standard for Evaporated Milks* (CODEX STAN 281-1971).

<sup>17</sup> *Standard for Cream and Prepared Creams* (CODEX STAN 288-1976).

<sup>18</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, p. 393.

#### 01.5.1 Milk powder and cream powder (plain):

Milk products obtained by partial removal of water from milk or cream and produced in a powdered form.<sup>19</sup> Includes casein and caseinates.<sup>20</sup>

#### 01.5.2 Milk and cream powder analogues:

Products based on a fat-water emulsion and dried for use other than as a beverage whitener (01.3.2). Examples include imitation dry cream mix and blends of skimmed milk and vegetable fat in powdered form.

#### 01.6 Cheese and analogues:

Cheese and cheese analogues are products that have water and fat included within a coagulated milk-protein structure. Products such as cheese sauce (12.6.2), cheese-flavoured snacks (15.1), and composite prepared foods containing cheese as an ingredient (e.g. macaroni and cheese; 16.0) are categorized elsewhere.

##### 01.6.1 Unripened cheese:

Unripened cheese, including fresh cheese, is ready for consumption soon after manufacture.<sup>21</sup> Examples include cottage cheese (a soft, unripened, coagulated curd cheese), creamed cottage cheese (cottage cheese covered with a creaming mixture),<sup>22</sup> cream cheese (rahmfrischkase, an uncured, soft spreadable cheese)<sup>23</sup> mozzarella and scamorza cheeses and *paneer* (milk protein coagulated by the addition of citric acid from lemon or lime juice or of lactic acid from whey, that is strained into a solid mass, and is used in vegetarian versions of, e.g. hamburgers). Includes the whole unripened cheese and unripened cheese rind (for those unripened cheeses with a “skin” such as mozzarella). Most products are plain, however, some, such as cottage cheese and cream cheese, may be flavoured or contain ingredients such as fruit, vegetables or meat. Excludes ripened cream cheese, where cream is a qualifier for a high fat content.

##### 01.6.2 Ripened cheese:

Ripened cheese is not ready for consumption soon after manufacture, but is held under such time and temperature conditions so as to allow the necessary biochemical and physical changes that characterize the specific cheese. For mould-ripened cheese, the ripening is accomplished primarily by the development of characteristic mould growth throughout the interior and/or on the surface of the cheese.<sup>21</sup> Ripened cheese may be soft (e.g. camembert), firm (e.g. edam, gouda), hard (e.g. cheddar), or extra-hard. Includes cheese in brine, which is a ripened semi-hard to soft cheese, white to yellowish in colour with a compact texture, and without actual rind that has been preserved in brine until presented to the consumer.<sup>24</sup>

###### 01.6.2.1 Ripened cheese, includes rind:

Refers to ripened (including mould-ripened) cheese, including rind, or any part thereof, such as cut, shredded, grated or sliced cheese. Examples of ripened cheese include: blue cheese, brie, gouda, havarti, hard grating cheese, and Swiss cheese.

###### 01.6.2.2 Rind of ripened cheese:

Refers to the rind only of the cheese. The rind of the cheese is the exterior portion of the cheese mass that initially has the same composition as the interior portion of the cheese, but which may dry after brining and ripening.<sup>25</sup>

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<sup>19</sup> *Standard for Milk Powders and Cream Powder* (CODEX STAN 207-1999).

<sup>20</sup> *Standard for Edible Casein Products* (CODEX STAN 290-1995).

<sup>21</sup> *Standard for Cheese* (CODEX STAN 283-1978).

<sup>22</sup> *Standard for Cottage Cheese* (CODEX STAN 273-1968).

<sup>23</sup> *Standard for Cream Cheese* (CODEX STAN 275-1973).

<sup>24</sup> *Group Standard for Cheeses in Brine* (CODEX STAN 208-1999).

<sup>25</sup> The rind is different from the coating of a cheese. The coating is either: (1) a film of synthetic or natural material, which helps to regulate the humidity during ripening and protects the cheese against microorganisms; or (2) a layer, primarily of wax, paraffin or plastic, which normally is impermeable to moisture, that protects the cheese after ripening against microorganisms and against physical damage during retail handling and that in some cases, contributes to the specific appearance of the cheese (e.g. coloured surface).

### 01.6.2.3 Cheese powder (for reconstitution; e.g. for cheese sauces):

Dehydrated product prepared from a variety or processed cheese. Does not include grated or shredded cheese (01.6.2.1 for variety cheese; 01.6.4 for processed cheese). Product is intended either to be reconstituted with milk or water to prepare a sauce, or used as-is as an ingredient (e.g. with cooked macaroni, milk and butter to prepare a macaroni and cheese casserole). Includes spray-dried cheese.

### 01.6.3 Whey cheese:

A solid or semi-solid product obtained by concentration of whey with or without the addition of milk, cream or other materials of milk origin, and moulding of the concentrated product.<sup>26</sup> Includes the whole cheese and the rind of the cheese. Different from whey protein cheese (01.6.6).

### 01.6.4 Processed cheese:

Product with a very long shelf life obtained by melting and emulsifying cheese. Includes products manufactured by heating and emulsifying mixtures of cheese, milkfat, milk protein, milk powder, and water in different amounts. Products may contain other added ingredients, such as aromas, seasonings and fruit, vegetables and/or meat. Product may be spreadable or cut into slices and pieces.<sup>27</sup> The term “processed” does not mean cutting, grating, shredding, etc. of cheese. Cheese treated by these mechanical processes are included under food category 01.6.2 (Ripened cheese).

#### 01.6.4.1 Plain processed cheese:

Processed cheese product that does not contain added flavours, seasonings, fruit, vegetables and/or meat. Examples include: American cheese, requeson.

#### 01.6.4.2 Flavoured processed cheese, including containing fruit, vegetables, meat, etc.:

Processed cheese product that contains added flavours, seasonings, fruit, vegetables and/or meat. Examples include: neufchatel cheese spread with vegetables, pepper jack cheese, cheddar cheese spread with wine, and cheese balls (formed processed cheese coated in nuts, herbs or spices).

### 01.6.5 Cheese analogues:

Products that look like cheese, but in which milkfat has been partly or completely replaced by other fats. Includes imitation cheese, imitation cheese mixes, and imitation cheese powders.

### 01.6.6 Whey protein cheese:

Product containing the protein extracted from the whey component of milk. These products are principally made by coagulation of whey proteins.<sup>26</sup> Example: ricotta cheese. Different from whey cheese (01.6.3).

### 01.7 Dairy-based desserts (e.g. pudding, fruit or flavoured yoghurt):

Includes ready-to-eat flavoured dairy dessert products and dessert mixes. Includes frozen dairy confections and novelties, and dairy-based fillings. Includes flavoured yoghurt (a milk product obtained by fermentation of milk and milk products to which flavours and ingredients (e.g. fruit, cocoa, coffee) have been added) that may or may not be heat-treated after fermentation.<sup>28</sup> Other examples include: ice cream (frozen dessert that may contain whole milk, skim milk products, cream or butter, sugar, vegetable oil, egg products, and fruit, cocoa, or coffee), ice milk (product similar to ice cream with reduced whole or skim milk content, or made with nonfat milk), jellied milk, frozen flavoured yoghurt, junket (sweet custard-like dessert made from flavoured milk set with rennet), dulce de leche (cooked milk with sugar and added ingredients such as coconut or chocolate), butterscotch pudding and chocolate mousse. Includes traditional milk-based sweets prepared from milk concentrated partially, from *khoa* (cow or buffalo milk concentrated by boiling), or *chhena* (cow or buffalo milk, heat coagulated aided by acids like citric acid, lactic acid, malic acid, etc), sugar or synthetic sweetener, and other ingredients (e.g. *maida* (refined wheat flour), flavours and colours (e.g. *peda*, *burfee*, milk cake, *gulab jamun*, *rasgulla*, *rasmalai*, *basundi*). These products are different from those in food category 03.0 (edible ices, including sherbet and sorbet) in that the foods in category 01.7 are dairy-based, while those in 03.0 are water-based and contain no dairy ingredients.

<sup>26</sup> *Standard for Whey Cheeses* (CODEX STAN 284-1971).

<sup>27</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, pp. 400.

<sup>28</sup> *Standard for Fermented Milks* (CODEX STAN 243-2003).

### 01.8 Whey and whey products, excluding whey cheeses:

Includes a variety of whey-based products in liquid and powdered forms.

#### 01.8.1 Liquid whey and whey products, excluding whey cheeses:

Whey is the fluid separated from the curd after coagulation of milk, cream, skimmed milk or buttermilk with milk coagulating enzymes during the manufacture of cheese, casein or similar products. Acid whey is obtained after the coagulation of milk, cream, skimmed milk or buttermilk, mainly with acids of the type used for the manufacture of fresh cheese.<sup>29</sup>

#### 01.8.2 Dried whey and whey products, excluding whey cheeses:

Whey powders are prepared by spray- or roller-drying whey or acid whey from which the major portion of the milkfat has been removed.<sup>29</sup>

### 02.0 Fats and oils, and fat emulsions:

Includes all fat-based products that are derived from vegetable, animal or marine sources, or their mixtures.

#### 02.1 Fats and oils essentially free from water:

Edible fats and oils are foods composed mainly of triglycerides of fatty acids from vegetable, animal or marine sources.<sup>30</sup>

##### 02.1.1 Butter oil, anhydrous milkfat, ghee:

The milkfat products anhydrous milkfat, anhydrous butter oil and butter oil are products derived exclusively from milk and/or products obtained from milk by a process that almost completely removes water and nonfat solids. Ghee is a product obtained exclusively from milk, cream or butter by a process that almost completely removes water and nonfat solids; it has a specially developed flavour and physical structure.<sup>31</sup>

##### 02.1.2 Vegetable oils and fats:

Edible fats and oils obtained from edible plant sources. Products may be from a single plant source or marketed and used as blended oils that are generally designated as edible, cooking, frying, table or salad oils.<sup>32</sup> Virgin oils are obtained by mechanical means (e.g. pressing or expelling), with application of heat only so as not to alter the natural composition of the oil. Virgin oils are suitable for consumption in the natural state. Cold pressed oils are obtained by mechanical means without application of heat.<sup>30,33</sup> Examples include: virgin olive oil, cottonseed oil, peanut oil, and vanaspati.

##### 02.1.3 Lard, tallow, fish oil, and other animal fats:

All animal fats and oils should be derived from animals in good health at the time of slaughter and intended for human consumption. Lard is fat rendered from the fatty tissue of swine. Edible beef fat is obtained from fresh bovine fatty tissue covering the abdominal cavity and surrounding the kidney and heart, and from other compact, undamaged fat tissues. Such fresh fat obtained at the time of slaughter is the "killing fat." Prime beef fat (premiere jus or oleo stock) is obtained by low-heat rendering (50-55°C) of killing fat and selected fat trimmings (cutting fat). Secunda beef fat is a product with typical beef fat odour and taste obtained by rendering (60-65°C) and purifying beef fat. Rendered pork fat is fat obtained from the tissue and bones of swine. Edible tallow (dripping) is produced by the rendering of fatty tissue (excluding trimmings and cutting fat), attached muscles and bones of bovine animals or sheep. Fish oils are derived from suitable sources such as herring, sardines, sprat, and anchovies.<sup>34,35</sup> Other examples include: tallow and partially defatted beef or pork fatty tissue.

<sup>29</sup> *Standard for Whey Powders* (CODEX STAN 289-1995).

<sup>30</sup> *General Standard for Edible Fats and Oils Not Covered by Individual Standards* (CODEX STAN 19-1981).

<sup>31</sup> *Standard for Milkfat Products* (CODEX STAN 280-1973).

<sup>32</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, pp. 472-476.

<sup>33</sup> *Standard for Olive Oils and Olive Pomace Oils* (CODEX STAN 33-1981); and *Standard for Named Vegetable Oils* (CODEX STAN 210-1999).

<sup>34</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, pp. 472-476.

<sup>35</sup> *Standard for Named Animal Fats* (CODEX STAN 211-1999).

## 02.2 Fat emulsions mainly of type water-in-oil:

Include all emulsified products excluding fat-based counterparts of dairy products and dairy desserts.

### 02.2.1 Butter:

Butter is a fatty product consisting of a primarily water-in-oil emulsion derived exclusively from milk and/or products obtained from milk.<sup>36</sup>

### 02.2.2 Fat spreads, dairy fat spreads and blended spreads:

Includes fat spreads (emulsions principally of the type water and edible fats and oils), dairy fat spreads (emulsions principally of the type water-in-milkfat), and blended spreads (fat spreads blended with higher amounts of milkfat).<sup>37</sup> Examples include margarine (a spreadable or fluid water-in-oil emulsion produced mainly from edible fats and oils); products derived from butter (e.g. “butterine,” a spreadable butter blend with vegetable oils)<sup>38</sup> blends of butter and margarine; and minarine (a spreadable water-in-oil emulsion produced principally from water and edible fats and oils that are not solely derived from milk). Also includes reduced fat-based products derived from milkfat or from animal or vegetable fats, including reduced-fat counterparts of butter, margarine, and their mixtures (e.g. three-quarter fat butter, three-quarter fat margarine, or three-quarter fat butter-margarine blends).

## 02.3 Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions:

Includes fat-based counterparts of dairy-based foods excluding dessert products. The fat portion of these products are derived from sources other than milkfat (e.g. vegetable fats and oils). Examples include: imitation milk (a fat-substituted milk produced from non-fat milk solids by addition of vegetable fats (coconut, safflower or corn oil));<sup>14</sup> non-dairy whipped cream; non-dairy toppings; and vegetable cream. Mayonnaise is included in food category 12.6.1.

## 02.4 Fat-based desserts excluding dairy-based dessert products of food category 01.7:

Includes fat-based counterparts of dairy-based desserts, which are found in category 01.7. Includes ready-to-eat products and their mixes. Also includes non-dairy fillings for desserts. An example is an ice cream-like product made with vegetable fats.

## 03.0 Edible ices, including sherbet and sorbet:

This category includes water-based frozen desserts, confections and novelties, such as fruit sorbet, “Italian”-style ice, and flavoured ice. Frozen desserts containing primarily dairy ingredients are included in food category 01.7.

## 04.0 Fruits and vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds:

This major category is divided into two categories: 04.1(Fruit) and 04.2 (Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds). Each of these categories is further divided into sub-categories for fresh and processed products.

### 04.1 Fruit:

Includes all fresh (04.1.1) and processed (04.1.2) products.

#### 04.1.1 Fresh fruit:

Fresh fruit is generally free of additives. However, fresh fruit that is coated or cut or peeled for presentation to the consumer may contain additives.

##### 04.1.1.1 Untreated fresh fruit:

Raw fruit presented fresh from harvest.

<sup>36</sup> *Standard for Butter* (CODEX STAN 279-1971).

<sup>37</sup> *Standard for Dairy Fat Spreads* (CODEX STAN 253-2006); and *Standard for Fat Spreads and Blended Spreads* (CODEX STAN 256-2007).

<sup>38</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, p. 395.

#### 04.1.1.2 Surface-treated fresh fruit:

The surfaces of certain fresh fruit are coated with glazes or waxes or are treated with other food additives that act as protective coatings and/or help to preserve the freshness and quality of the fruit. Examples include apples, oranges, dates, and longans.

#### 04.1.1.3 Peeled or cut fresh fruit:

Fresh fruit that is cut or peeled and presented to the consumer, e.g. in a fruit salad. Includes fresh shredded or flaked coconut.

#### 04.1.2 Processed fruit:

Includes all forms of processing other than peeling, cutting and surface treating fresh fruit.

##### 04.1.2.1 Frozen fruit:

Fruit that may or may not be blanched prior to freezing. The product may be frozen in a juice or sugar syrup.<sup>39</sup> Examples include frozen fruit salad and frozen strawberries.

##### 04.1.2.2 Dried fruit:

Fruit from which water is removed to prevent microbial growth.<sup>39</sup> Includes dried fruit leathers (fruit rolls) prepared by drying fruit purees. Examples include dried apple slices, raisins, dried shredded or flaked coconut, and prunes.

##### 04.1.2.3 Fruit in vinegar, oil, or brine:

Includes pickled products such as pickled plums, mango pickles, lime pickles, pickled gooseberries, and pickled watermelon rind. Oriental pickled (“cured” or “preserved”) fruit products are sometimes referred to as “candied” fruit.<sup>40</sup> These are not the candied fruit products of category 04.1.2.7 (i.e. dried, sugar coated fruit).

##### 04.1.2.4 Canned or bottled (pasteurized) fruit:

Fully preserved product in which fresh fruit is cleaned and placed in cans or jars with natural juice or sugar syrup (including artificially sweetened syrup) and heat-sterilized or pasteurized.<sup>39</sup> Includes products processed in retort pouches. Examples include: canned fruit salad, and applesauce in jars.

##### 04.1.2.5 Jams, jellies, marmalades:

Jams, preserves and conserves are thick, spreadable products prepared by boiling whole fruit or pieces of fruit, fruit pulp or puree, with or without fruit juice or concentrated fruit juice, and sugar to thicken, and to which pectin and fruit pieces may be added. Jelly is a clear spreadable product prepared similarly to jam, except that it is has a smoother consistency and does not contain fruit pieces. Marmalade is a thick spreadable fruit slurry prepared from whole fruit, fruit pulp or puree (usually citrus), and boiled with sugar to thicken, to which pectin and fruit pieces and fruit peel pieces may be added.<sup>39,41</sup> Includes dietetic counterparts made with non-nutritive high-intensity sweeteners. Examples include: orange marmalade, grape jelly, and strawberry jam.

##### 04.1.2.6 Fruit-based spreads (e.g. chutney) excluding products of food category 04.1.2.5:

Includes all other fruit-based spreads, such as apple butter and lemon curd. Also includes condiment-type fruit products such as mango chutney and raisin chutney.

##### 04.1.2.7 Candied fruit:

Includes glazed fruits (fruit treated with a sugar solution and dried), candied fruit (dried glazed fruit immersed in a sugar solution and dried so that the fruit is covered by a candy-like sugar shell), and crystallized fruit is prepared (dried glazed fruit rolled in icing or granulated sugar and dried).<sup>39</sup> Examples include: cocktail (maraschino) cherries, candied citrus peel, candied citrons (e.g. used in holiday fruitcakes), and mostarda di frutta.

<sup>39</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, pp. 613-617.

<sup>40</sup> *Asian Foods: Science and Technology*, C.Y.W. Ang, K.S. Liu, & Y.-W. Huang, Eds., Chapter 10: Fruit Products, J.X. Shi & B.S. Luh, Technomic Publishing Co., Lancaster PA 1999, p. 290.

<sup>41</sup> *Standard for Jams, Jellies and Marmalades* (CODEX STAN 196-2009).



#### 04.1.2.8 Fruit preparations, including pulp, purees, fruit toppings and coconut milk:

Fruit pulp is not usually intended for direct consumption. It is a slurry of lightly steamed and strained fresh fruit, with or without added preservatives. Fruit puree (e.g. mango puree, prune puree) is produced in the same way, but has a smoother, finer texture, and may be used as fillings for pastries, but is not limited to this use. Fruit sauce (e.g. pineapple sauce or strawberry sauce) is made from boiled fruit pulp with or without added sweeteners and may contain fruit pieces. Fruit sauce may be used as toppings for fine bakery wares and ice cream sundaes. Fruit syrup (e.g. blueberry syrup) is a more liquid form of fruit sauce that may be used as a topping e.g. for pancakes.<sup>39</sup> Non-fruit toppings are included in category 05.4 (sugar- and chocolate-based toppings) and sugar syrups (e.g. maple syrup) are included in category 11.4. Coconut milk and coconut cream are products prepared using a significant amount of separated, whole, disintegrated macerated or comminuted fresh endosperm (kernel) of coconut palm and expelled, where most filterable fibers and residues are excluded, with or without coconut water, and/or with additional water. Coconut milk and coconut cream are treated by heat pasteurization, sterilization or ultrahigh temperature (UHT) processes. Coconut milk and coconut cream may also be produced in concentrated or skim (or “light”) forms.<sup>42</sup> Examples of traditional foods in this sub-category are: tamarind concentrate (clean extract of tamarind fruit with not less than 65% total soluble solids), tamarind powder (tamarind paste mixed with tapioca starch), tamarind toffee (mixture of tamarind pulp, sugar, milk solids, antioxidants, flavours, stabilizers and preservatives), and fruit bars (a mixture of fruit (mango, pineapple, or guava) pulp mixed with sugar, flavours and preservatives, dried into a sheet).

#### 04.1.2.9 Fruit-based desserts, incl. fruit-flavoured water-based desserts:

Includes the ready-to-eat products and mixes. Includes fruit-flavoured gelatine, rote gruze, frutgroed, fruit compote, nata de coco, and *mitsumame* (gelatine-like dessert of agar jelly, fruit pieces and syrup). This category does not include fine bakery wares containing fruit (categories 07.2.1 and 07.2.2), fruit-flavoured edible ices (category 03.0), or fruit-containing frozen dairy desserts (category 01.7).

#### 04.1.2.10 Fermented fruit products:

Type of pickled product produced by preservation in salt by lactic acid fermentation. Examples include: fermented plums.

#### 04.1.2.11 Fruit fillings for pastries:

Includes the ready-to-eat products and mixes. Includes all type of fillings excluding purees (category 04.1.2.8). These fillings usually include whole fruit or fruit pieces. Examples include: cherry pie filling and raisin filling for oatmeal cookies.

#### 04.1.2.12 Cooked fruit:

Fruit that is steamed, boiled, baked, or fried, with or without a coating, for presentation to the consumer. Examples include: baked apples, fried apple rings, and peach dumplings (baked peaches with a sweet dough covering).

#### 04.2 Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds:

Includes all fresh (04.2.1) and processed (04.2.2) products.

#### 04.2.1 Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds:

Fresh vegetables are generally free of additives. However, fresh vegetables that are coated or cut or peeled for presentation to the consumer may contain additives.

#### 04.2.1.1 Untreated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes (including soybeans), and aloe vera), seaweeds, and nuts and seeds:

Raw vegetables presented fresh from harvest.

<sup>42</sup> *Standard for Aqueous Coconut Products - Coconut Milk and Coconut Cream* (CODEX STAN 240-2003).

04.2.1.2 Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds:

The surfaces of certain fresh vegetables are coated with glazes or waxes or are treated with other food additives that act as protective coatings and/or help to preserve the freshness and quality of the vegetable. Examples include: avocados, cucumbers, green peppers and pistachio nuts.

04.2.1.3 Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds:

Fresh vegetables, e.g. peeled raw potatoes, that are presented to the consumer to be cooked at home (e.g. in the preparation of hash brown potatoes).

04.2.2 Processed vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds:

Includes all forms of processing other than peeling, cutting and surface treating fresh vegetables.

04.2.2.1 Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds:

Fresh vegetables are usually blanched and frozen.<sup>43</sup> Examples include: quick-frozen corn, quick-frozen French-fried potatoes, quick frozen peas, and quick frozen whole processed tomatoes.

04.2.2.2 Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds:

Products in which the natural water content has been reduced below that critical for growth for microorganisms without affecting the important nutrients. The product may or may not be intended for rehydration prior to consumption. Includes vegetable powders that are obtained from drying the juice, such as tomato powder and beet powder.<sup>43</sup> Examples include: dried potato flakes and dried lentil. Examples of Oriental dried products include: dried sea tangle (kelp; *kombu*), dried sea tangle with seasoning (*shio-kombu*), dried seaweed (*tororo-kombu*), dried gourd strips (*kampyo*), dried laver (*nori*), and dried laminariales (*wakame*).

04.2.2.3 Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soybean sauce:

Products prepared by treating raw vegetables with salt solution excluding fermented soybean products. Fermented vegetables, which are a type of pickled product, are classified in 04.2.2.7. Fermented soybean products are classified in 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3. Examples include: pickled cabbage, pickled cucumber, olives, pickled onions, mushrooms in oil, marinated artichoke hearts, achar, and piccalilli. Examples of Oriental-style pickled vegetables include: *tsukemono* such as rice bran pickled vegetables (*nuka-zuke*), *koji*-pickled vegetables (*koji-zuke*), sake lees-pickled vegetables (*kasu-zuke*), *miso*-pickled vegetables (*miso-zuke*), soybeansauce-pickled vegetables (*shoyu-zuke*), vinegar-pickled vegetables (*su-zuke*) and brine-pickled vegetables (*shio-zuke*). Other examples include: pickled ginger, pickled garlic, and chilli pickles.

04.2.2.4 Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds,:

Fully preserved product in which fresh vegetables are cleaned, blanched, and placed in cans or jars in liquid (e.g. brine, water, oil or sauce), and heat-sterilized or pasteurized.<sup>43</sup> Examples include: canned chestnuts, canned chestnut puree, asparagus packed in glass jars, canned and cooked pink beans, canned tomato paste (low acid), and canned tomatoes (pieces, wedges or whole).

04.2.2.5 Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g. peanut butter):

Vegetable purees are finely dispersed slurries prepared from the concentration of vegetables, which may have been previously heat-treated (e.g. steamed). The slurries may be filtered prior to packaging. Purees contain lower amounts of solids than pastes (found in category 04.2.2.6).<sup>43,44</sup> Examples include: tomato

<sup>43</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, pp. 572-576.

<sup>44</sup> *Standard for Processed Tomato Concentrates* (CODEX STAN 57-1981).

puree, peanut butter (a spreadable paste made from roasted and ground peanuts by the addition of peanut oil), other nut butters (e.g. cashew butter), and pumpkin butter.

04.2.2.6 Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g. vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5:

Vegetable pastes and pulps are prepared as described for vegetable purees (category 04.2.2.5). However, pastes and pulps have a higher amount of solids, and are usually used as components of other foods (e.g. sauces). Examples include: potato pulp, horseradish pulp, aloe extract, salsa (e.g. chopped tomato, onion, peppers, spices and herbs), sweet red bean paste (*an*), sweet coffee bean paste (filling), tomato paste, tomato pulp, tomato sauce, crystallized ginger, and bean-based vegetable dessert (*namagashi*).

04.2.2.7 Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food category 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3:

Fermented vegetables are a type of pickled product, formed by the action of lactic acid bacteria, usually in the presence of salt.<sup>45</sup> Traditional Oriental fermented vegetable products are prepared by air-drying vegetables and exposing them to ambient temperatures so as to allow the microorganisms to flourish; the vegetables are then sealed in an anaerobic environment and salt (to generate lactic acid), spices and seasonings are added.<sup>45</sup> Examples include: red pepper paste, fermented vegetable products (some *tsukemono* other than category 04.2.2.3), *kimchi* (fermented Chinese cabbage and vegetable preparation), and sauerkraut (fermented cabbage). Excludes fermented soybean products that are found in food categories 06.8.6 (fermented soybeans (e.g. *natto* and *tempe*)), 06.8.7 (fermented soybean curd), 12.9.1 (fermented soybean paste e.g. *miso*), 12.9.2.1 (fermented soybean sauce), and 12.9.2.3 (other soybean sauce).

04.2.2.8 Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds:

Vegetables that are steamed, boiled, baked, or fried, with or without a coating, for presentation to the consumer. Examples include: simmered beans, pre-fried potatoes, fried okra, and vegetables boiled down in soy sauce (*tsukudani*).

05.0 Confectionery:

Includes all cocoa and chocolate products (05.1), other confectionery products that may or may not contain cocoa (05.2), chewing gum (05.3), and decorations and icings (05.4), or foods produced solely with any combination of foods conforming to these sub-categories.

05.1 Cocoa products and chocolate products including imitations and chocolate substitutes:

This category is divided to reflect the variety of standardized and non-standardized cocoa- and chocolate-based products.

05.1.1 Cocoa mixes (powders) and cocoa mass/cake:

Includes a variety of products that are used in the manufacture of other chocolate products or in the preparation of cocoa-based beverages. Most cocoa products have their origin in the cocoa nib, which is obtained from cocoa beans that have been cleaned and freed from the shells. Cocoa mass is obtained from the mechanical disintegration of the nib. Depending on the desired finished chocolate product, the cocoa nib or mass may be treated by an alkalization process that mellows the flavour. Cocoa dust is the fraction of the cocoa bean produced as a product during winnowing and degerming. Cocoa powder is produced by reducing the fat content of cocoa mass or liquor by pressing (including expeller pressing) and molding into a cocoa press cake. The cocoa press cake is disintegrated and ground to cocoa powder. Cocoa liquor is a homogeneous flowing paste produced from the cocoa nib, which has been roasted, dried, disintegrated and milled. Cocoa-sugar mixtures contain only cocoa powder and sugar. Chocolate powder for beverages is made from cocoa liquor or cocoa powder and sugar to which flavouring (e.g. vanillin) may be added.<sup>46,47</sup>

<sup>45</sup> *Asian Foods: Science and Technology*, C.Y.W. Ang, K.S. Liu, & Y.-W. Huang, Eds., Chapter 11: Vegetable Products, S.L. Wang, Technomic Publishing Co., Lancaster PA 1999, pp. 320-323.

<sup>46</sup> *Standard for Cocoa Powders (Cocoa) and Dry Mixtures of Cocoa and Sugars* (CODEX STAN 105-1981); *Standard for Cocoa (Cacao) Mass (Cocoa/Chocolate Liquor) and Cocoa Cake* (CODEX STAN 141-1981).

Examples include: drinking chocolate powder; breakfast cocoa; cocoa dust (fines), nibs, mass, press cake; chocolate liquor; cocoa mixes (powders for preparing the hot beverage); cocoa-sugar mixture; and dry mixes for sugar-cocoa confectionery. Finished cocoa beverages and chocolate milk are included in category 01.1.2, and most finished chocolate products are included in category 05.1.4.

#### 05.1.2 Cocoa mixes (syrops):

Products that may be produced by adding a bacterial amylase to cocoa liquor. The enzyme prevents the syrup from thickening or setting by solubilizing and dextrinizing cocoa starch. Includes products such as chocolate syrup used to prepare chocolate milk or hot chocolate.<sup>47</sup> Chocolate syrup differs from fudge sauce (e.g. for ice cream sundaes), which is found in category 05.4.

#### 05.1.3 Cocoa-based spreads, including fillings:

Products in which cocoa is mixed with other ingredients (usually fat-based) to prepare a spreadable paste that is used as a spread for bread or as a filling for fine bakery wares. Examples include: cocoa butter,<sup>48</sup> fillings for bonbons and chocolates, chocolate pie filling, and nut-chocolate based spreads for bread (*Nutella*-type product).

#### 05.1.4 Cocoa and chocolate products:

Chocolate is produced from cocoa nibs, mass, press cake, powder, or liquor with or without addition of sugar, cocoa butter, aroma or flavouring substances, and optional ingredients (e.g. nuts).<sup>47</sup> This category is for chocolate as defined in the *Standard for Chocolate and Chocolate Products* (CODEX STAN 87-1981), and for confectionery that uses chocolate that meets the standard and may contain other ingredients, for example chocolate-covered nuts and fruit (e.g. raisins). This category includes only the chocolate portion of any confectionery within the scope of food category 05.2. Examples include: bonbons, cocoa butter confectionery (composed of cocoa butter, milk solids and sugar), white chocolate, chocolate chips (e.g. for baking), milk chocolate, cream chocolate, sweet chocolate, bitter chocolate, enrobing chocolate, chocolate covered in a sugar-based “shell” or with coloured decorations, filled chocolate (chocolate with a texturally distinct center and external coating, excluding flour confectionery and pastry products of categories 07.2.1 and 07.2.2) and chocolate with added edible ingredients.<sup>49</sup> This category does not include yoghurt-, cereal-, and honey-covered nuts (category 15.2).

#### 05.1.5 Imitation chocolate, chocolate substitute products:

Includes chocolate-like products that may or may not be cocoa-based, but have similar organoleptic properties as chocolate, such as carob chips, and cocoa-based products that contain greater than 5% vegetable fat (other than cocoa butter) that are excluded from the scope of the *Standard for Chocolate and Chocolate Products* (CODEX STAN 87-1981). These chocolate-like products may contain additional optional ingredients and may include filled confectionery. Examples include: compound chocolate, flavoured and coloured compound chocolate, compound chocolate coatings, and imitation chocolate covered nuts and fruit (e.g. raisins). This category includes only the chocolate-like portion of any confectionery within the scope of food category 05.2.

#### 05.2 Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4:

Includes all types of products that primarily contain sugar and their dietetic counterparts and may or may not contain cocoa. Includes hard candy (05.2.1), soft candy (05.2.2), and nougats and marzipans (05.2.3).

##### 05.2.1 Hard candy:

Products made from water and sugar (simple syrup), colour and flavour that may or may not have a filling, their dietetic counterparts, and products that may or may not contain cocoa. Includes: pastilles and lozenges (rolled, shaped and filled sweetened candy).<sup>50</sup> These types of products may be used as fillings for chocolate products within the scope of food categories 05.1.4 and 05.1.5.

<sup>47</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, pp. 708-711.

<sup>48</sup> *Standard for Cocoa Butters* (CODEX STAN 86-1981).

<sup>49</sup> *Standard for Chocolate and Chocolate Products* (CODEX STAN 87-1981).

<sup>50</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, pp. 634-636.

### 05.2.2 Soft candy:

Products include soft, chewy products such as caramels (containing sugar syrup, fats, colour and flavour) and their dietetic counterparts; products that may or may not contain cocoa and milk (e.g. toffees and chocolate-flavoured caramels); jelly-based candies (e.g. jelly beans, jellied fruit paste covered in sugar, made from gelatin, pectin, colour and flavour); and licorice. **Error! Bookmark not defined.** Also included are halwa teheniaa and oriental specialties, such as sweet bean jelly (*yokan*) and agar jelly for *mitsumame*. These types of products may be used as fillings for chocolate products within the scope of food categories 05.1.4 and 05.1.5.

### 05.2.3 Nougats and marzipans:

Nougats consist of roasted ground nuts, sugar and cocoa and their dietetic counterparts, that may be consumed as is, or may be used as a filling for chocolate products within the scope of food categories 05.1.4 and 05.1.5. Marzipan consists of almond paste and sugar and their dietetic counterparts, that may be shaped and coloured for direct consumption, or may be used as a filling for chocolate products within the scope of food categories 05.1.4 and 05.1.5.<sup>50</sup>

### 05.3 Chewing gum:

Product made from natural or synthetic gum base containing flavours, sweeteners (nutritive or non-nutritive), aroma compounds, and other additives.<sup>50</sup> Includes bubble gum and breath-freshener gum products.

### 05.4 Decorations (e.g. for fine bakery wares), toppings (non-fruit) and sweet sauces:

Includes ready-to-eat icings and frostings for cakes, cookies, pies and bread and flour confectionery, as well as mixes for these products. Also includes sugar- and chocolate-based coatings for baked goods. Sweet sauces and toppings include butterscotch sauce for use, e.g. on ice cream. These sweet sauces are different than the syrups (e.g. maple, caramel, and flavoured syrups for fine bakery wares and ices) included in category 11.4. Fruit-based toppings are included in 04.1.2.8. Chocolate sauce is included in 05.1.2.

### 06.0 Cereals and cereal products derived from cereal grains, roots and tubers, pulses, legumes and pith or soft core of palm tree, excluding bakery wares of food category 07.0:

Includes unprocessed (06.1) and various processed forms of cereal and cereal-based products.

#### 06.1 Whole, broken, or flaked grain, including rice:

Includes whole, husked, unprocessed cereals and grains. Examples include: barley, corn (maize), hops (for beer manufacture), oats, rice (including enriched, instant and parboiled), sorghum, soybeans, and wheat.

#### 06.2 Flours and starches (including soybean powder):

The basic milled products of cereal grains, roots, tubers, pulses, pith or softy core of palm tree or legumes sold as such or used as ingredients (e.g. in baked goods).

##### 06.2.1 Flours:

Flour is produced from the milling of grain, cereals and tubers (e.g. cassava) and pith or soft core of palm tree. Includes flour pastes for bread and flour confectionery, flour for bread, pastries, noodles and pasta, and flour mixes (physical mixtures of flours from different cereal or grain sources, which are different from mixes for bakery goods (dry mixes containing flour and other ingredients, categories 07.1.6 (mixes for ordinary bakery wares) and 07.2.3 (mixes for fine bakery wares))). Examples include: durum wheat flour, self-rising flour, enriched flour, instantized flour, corn flour, corn meal, bran, farina, roasted soybean flour (kinako), konjac flour (devil's tongue jelly powder, konnayaku-ko), and maida (refined wheat flour) and sago flour.

##### 06.2.2 Starches:

Starch is a glucose polymer occurring in granular form in certain plant species, notably seeds (e.g. cereals, pulses, corn, wheat, rice, beans, peas) and tubers (e.g. tapioca, potato). The polymer consists of linked anhydro-alpha-D-glucose units. Native starch is separated by processes that are specific for each raw material.

### 06.3 Breakfast cereals, including rolled oats:

Includes all ready-to-eat, instant, and regular hot breakfast cereal products. Examples include: granola-type breakfast cereals, instant oatmeal, farina, corn flakes, puffed wheat or rice, multi-grain (e.g. rice, wheat and corn) breakfast cereals, breakfast cereals made from soy or bran, and extruded-type breakfast cereals made from grain flour or powder.

### 06.4 Pastas and noodles and like products (e.g. rice paper, rice vermicelli, soybean pastas and noodles):

This food category was revised, with the understanding that there would be few, if any additives needed in dried pastas and noodles.<sup>51</sup> Includes all pasta, noodle and similar products.

#### 06.4.1 Fresh pastas and noodles and like products:

Products that are untreated (i.e. not heated, boiled, steamed, cooked, pre-gelatinized or frozen) and are not dehydrated. These products are intended to be consumed soon after preparation. Examples include: unboiled noodles, and “skins” or crusts for spring rolls, wontons, and *shuo mai*.

#### 06.4.2 Dried pastas and noodles and like products:

Products that are untreated (i.e. not heated, boiled, steamed, cooked, pre-gelatinized or frozen) and are dehydrated. Examples include dried forms of: spaghetti, bean vermicelli, rice vermicelli, macaroni, and rice noodles.

#### 06.4.3 Pre-cooked pastas and noodles and like products:

Products that are treated (i.e. heated, boiled, steamed, cooked, pre-gelatinized or frozen). These products may be sold directly to the consumer (e.g. pre-cooked, chilled gnocchi to be heated prior to consumption), or may be the starch component of prepared meals (e.g. heat-and-serve frozen dinner entrees containing spaghetti, macaroni or noodles; canned spaghetti and meatballs entrée). Also includes instant noodles (*sokuseki-men*; e.g. pre-cooked ramen, udon, rice noodles), that are pre-gelatinized, heated and dried prior to sale to the consumer.

### 06.5 Cereal and starch based desserts (e.g. rice pudding, tapioca pudding):

Dessert products containing cereal, starch or grain as the main ingredient. Also includes cereal- or starch based fillings for desserts. Examples include: rice pudding, semolina pudding, tapioca pudding, rice flour dumplings (*dango*), a steamed yeast-fermented wheat flour dough dessert (*musipan*), and a starchy pudding based dessert (*namagashi*).

### 06.6 Batters (e.g. for breading or batters for fish or poultry):

Products containing flaked or ground cereal or grain that when combined with other ingredients (e.g. egg, water, milk) are used as a coating for fish or poultry. Products are usually sold as dry mix of the cereal or grain component. Examples include breading for *tempura* batter. Doughs (e.g. for bread) are found in 07.1.4, and other mixes (e.g. for bread or cakes) are found in 07.1.6 and 07.2.3, respectively.

### 06.7 Pre-cooked or processed rice products, including rice cakes (Oriental type only):

Products prepared from rice that is soaked, drained, steamed, kneaded and shaped into cake forms (e.g. Japanese *mochi*, Korean *teuck*).<sup>52</sup> Crisp snacks made from rice grains, also called “rice cakes” are categorized in 15.1, and dessert-type rice cakes are in 06.5. Category 06.7 would also include processed rice and enriched rice products, such as pre-cooked products that are sold canned, chilled or frozen; and processed rice products sold in retort pouches. This is to distinguish from category 06.1 (Whole, broken, or flaked grain, including rice) that is intended to include only whole, husked, unprocessed cereals and grains.

### 06.8 Soybean products (excluding soybean-based seasonings and condiments of food category 12.9):

Includes dried, cooked, fried or fermented soybean products, and soybean curd products.

<sup>51</sup> ALINORM 03/12, para. 55.

<sup>52</sup> *Asian Foods: Science and Technology*, C.Y.W. Ang, K.S. Liu, & Y.-W. Huang, Eds., Chapter 1: Rice Products, B.S. Luh, Technomic Publishing Co., Lancaster PA 1999, p. 16.

### 06.8.1 Soybean-based beverages

Products prepared from dried soybeans that are soaked in water, pureed, boiled and strained, or prepared from soybean flour, soybean concentrate, or soybean isolate. In a number of countries this category includes products referred to as soybean milk. Soybean-based beverages may be consumed as is, or used to prepare other soybean products, such as those in food categories 06.8.2 (soybean-based beverage film), 06.8.3 (soybean curd (tofu)), 06.8.4 (semi-dehydrated soybean curd), and 06.8.5 (dehydrated soybean curd (kori tofu))<sup>53,54,55</sup>. Also includes soybean products, such as soybean-based beverage powder, which is sold as is, for reconstitution, or as a mix containing a coagulant that can be reconstituted by the consumer for preparation of home-made soft tofu.<sup>53,56</sup>

### 06.8.2 Soybean-based beverage film:

Film formed on the surface of boiling soybean-based beverage that is dried. It may be deep-fried or softened in water prior to use in soups or poached food. Also known as *fuzhu* or *yuba*.<sup>56,57,58</sup>

### 06.8.3 Soybean curd (tofu):

Soybean curd is prepared from dried soybeans that are soaked in water, pureed, and strained to produce soybean-based beverage, which is then made into a curd with a coagulant, and placed in a mould. Soybean curds may be of a variety of textures (e.g. soft, semi-firm, firm).<sup>53,54</sup>

### 06.8.4 Semi-dehydrated soybean curd:

Soybean curd that has been pressed while being moulded into blocks so that some moisture has been removed, but so that it is not completely dried (see food category 06.8.5). Semi-dehydrated soybean curd typically contains 62% water, and has a chewy texture<sup>53</sup>.

#### 06.8.4.1 Thick gravy-stewed semi-dehydrated soybean curd:

Partially dehydrated soybean curd that is cooked (stewed) with a thick sauce (e.g. miso sauce). The partially dehydrated soybean curd typically absorbs the sauce, and so regains its original texture.<sup>53</sup>

#### 06.8.4.2 Deep fried semi-dehydrated soybean curd:

Partially dehydrated soybean curd that is deep-fried. It may be consumed as such, or cooked (e.g. stewed in sauce) after frying<sup>53,59</sup>

#### 06.8.4.3 Semi-dehydrated soybean curd, other than food categories 06.8.4.1 and 06.8.4.2:

Partially dehydrated soybean curd prepared other than by stewing in thick (e.g. miso) sauce or by deep-frying. Includes grilled products and mashed products that may be combined with other ingredients (e.g. to make a patty or a loaf).<sup>53</sup>

### 06.8.5 Dehydrated soybean curd (kori tofu):

Soybean curd from which all moisture has been removed through the process of freezing, aging, and dehydrating. It may be reconstituted with water or sauce for consumption, or is used directly in prepared dishes. It may also be deep-fried or simmered in sauce.<sup>53</sup>

### 06.8.6 Fermented soybeans (e.g. natto, tempe):

The product is prepared from soybeans that have been steamed and fermented with certain fungi or bacteria (starter). The soft, whole beans have a distinctive aroma and taste. It includes products such as *dou chi* (China), *natto* (Japan), and *tempe* (Indonesia).

<sup>53</sup> *The Joy of Japanese Cooking*, K. Takahashi, Shufunomoto Col., Ltd., Japan, 1996, pp. 17-18 and 123-131.

<sup>54</sup> *Taste of Japan*, D. Richie, Kodansha International, Tokyo, Japan, 1992, pp. 34-35.

<sup>55</sup> *Ibid.*, pp.141-153.

<sup>56</sup> *World Food Japan*, Lonely Planet, 2002, p. 35.

<sup>57</sup> *Taste of Japan*, D. Richie, Kodansha International, Tokyo, Japan, 1992, pp. 168-169.

<sup>58</sup> *The Joy of Japanese Cooking*, K. Takahashi, Shufunomoto Col., Ltd., Japan, 1996, p. 31.

<sup>59</sup> *Asian Foods: Science and Technology*, C.Y.W. Ang, K.S. Liu, & Y.-W. Huang, Eds., Chapter 6: Oriental Soy Foods, K.S. Liu, Technomic Publishing Co., Lancaster PA 1999, pp. 162-163.

#### 06.8.7 Fermented soybean curd:

The product is prepared by forming soybean curd into a loaf during the fermentation process. It is a soft, flavoured product, either in red, rice-yellow, or grey-green.

#### 06.8.8 Other soybean protein products

Other products from soybeans composed mainly of soybean protein such as extruded, textured, concentrated, and isolated soybean protein.

#### 07.0 Bakery wares:

Includes categories for bread and ordinary bakery wares (07.1) and for sweet, salty and savoury fine bakery wares (07.2).

#### 07.1 Bread and ordinary bakery wares and mixes:

Includes all types of non-sweet bakery products and bread-derived products.

##### 07.1.1 Breads and rolls:

Includes yeast-leavened and specialty breads and soda bread.

##### 07.1.1.1 Yeast-leavened breads and specialty breads:

Includes all types of non-sweet bakery products and bread-derived products. Examples include: white bread, rye bread, pumpernickel bread, raisin bread, whole wheat bread, pain courant francais, malt bread, hamburger rolls, whole wheat rolls, and milk rolls.

##### 07.1.1.2 Soda breads:

Includes soda breads.

##### 07.1.2 Crackers, excluding sweet crackers:

The term “cracker” refers to a thin, crisp wafer, usually of unsweetened dough. Flavoured crackers (e.g. cheese flavoured) that are consumed as snacks are in 15.1. Examples include: soda crackers, rye crisps, and matzohs.

##### 07.1.3 Other ordinary bakery products (e.g. bagels, pita, English muffins):

Includes all other ordinary bakery wares, such as cornbread and biscuits. The term “biscuit” in this category refers to a small cake of shortened bread, leavened with baking powder or baking soda. It does not refer to the British “biscuit,” which is a “cookie” or “sweet cracker” included in category 07.2.1.

##### 07.1.4 Bread-type products, including bread stuffing and bread crumbs:

Includes bread-based products such as croutons, bread stuffing and stuffing mixes, and prepared doughs (e.g. for biscuits). Bread mixes are included in category 07.1.6.

##### 07.1.5 Steamed breads and buns:

Oriental-style leavened wheat or rice products that are cooked in a steamer. Products may be made with or without filling. In China, products without filling are called steamed bread (*mantou*), and those with filling are called steamed buns (*baozi* or *bao*). Twisted rolls of various shapes (*huajuan*) may also be prepared.<sup>60</sup> Examples include: filled dumplings and steamed bun with meat, jam or other filling (*manjyu*).

##### 07.1.6 Mixes for bread and ordinary bakery wares:

Includes all the mixes containing the dry ingredients to which wet ingredients (e.g. water, milk, oil, butter, eggs) are added to prepare a dough for baked goods from food categories 07.1.1 to 07.1.5. Examples include: French bread mix, tin bread mix, panettone mix, ciabatta mix, among others. Mixes for fine bakery wares (e.g. cakes, cookies, pancakes) are found in category 07.2.3.

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<sup>60</sup> *Asian Foods: Science and Technology*, C.Y.W. Ang, K.S. Liu, & Y.-W. Huang, Eds., Chapter 4: Wheat Products: 2. Breads, Cakes, Cookies, Pastries, and Dumplings, S. Huang, Technomic Publishing Co., Lancaster PA 1999, pp. 72-73.



## 07.2 Fine bakery wares (sweet, salty, savoury) and mixes:

Includes sub-categories for ready-to-eat products (07.2.1 and 07.2.2) as well as mixes (07.2.3) for preparing fine baked goods.

### 07.2.1 Cakes, cookies and pies (e.g. fruit-filled or custard types):

The term “sweet cracker” or “sweet biscuit” used in this category refers to a cookie-like product that may be eaten as a dessert. Examples include: butter cake, cheesecake, fruit-filled cereal bars, pound cake (including *kasutera*), moist cake (type of starchy dessert (*namagashi*)), western cakes, moon cakes, sponge cake, fruit-filled pies (e.g. apple pie), oatmeal cookies, sugar cookies and British “biscuits” (cookies or sweet crackers).

### 07.2.2 Other fine bakery products (e.g. doughnuts, sweet rolls, scones, and muffins):

Includes products that may be eaten as a dessert or as breakfast. Examples include: pancakes, waffles, filled sweet buns (*anpan*), Danish pastry, wafers or cones for ice cream, flour confectionery, and trifles.

### 07.2.3 Mixes for fine bakery wares (e.g. cakes, pancakes):

Mixes containing the dry ingredients to which wet ingredients (e.g. water, milk, oil, butter, eggs) are added to prepare a dough for fine baked goods. Examples include: cake mix, flour confectionery mix, pancake mix, pie mix, and waffle mix. Prepared dough is found in category 07.1.4. Mixes for ordinary bakery wares (e.g. bread) is found in category 07.1.6.

## 08.0 Meat and meat products, including poultry and game:

This category includes all types of meat, poultry, and game products, in pieces and cuts or comminuted, fresh (08.1) and processed (08.2 and 08.3).

### 08.1 Fresh meat, poultry and game:

Fresh products are usually free of additives. However, in certain circumstances, additives are necessary. For example, colours are used for certification stamps on the surfaces of fresh cuts of meat, and are indicated in the Food Category System with a notation for “stamping, marking or branding the product.” Additionally, coatings, such as glazes and spice rubs, may be applied to meat products prior to marketing to the consumer (e.g. glazed ham, and barbecued chicken). In the Food Category System, this is indicated with a notation for “use as a glaze or coating (surface treatment).” It should be noted that the coatings marketed *per se* are included in food categories 04.1.2.8 (fruit-based glazes, e.g. for ham) and 12.2 (spice rubs).

#### 08.1.1 Fresh meat, poultry and game, whole pieces or cuts:

Untreated raw meat, poultry and game carcasses and cuts. Examples include: beef, hog and pork carcasses; fresh beef blood; fresh whole chickens and chicken parts; fresh beef cuts (e.g. steaks); beef organs (e.g. heart, kidney); fresh tripe; and pork chops.

#### 08.1.2 Fresh meat, poultry and game, comminuted:

Untreated raw comminuted or mechanically deboned meat, poultry and game. Examples include: fresh beef (hamburger) patties; boerewors; fresh breakfast sausages; gehakt (chopped meat); loganiza (fresh, uncured sausage); fresh meatballs; mechanically deboned, ground and formed poultry pieces (with or without breading or coating); and fresh sausages (e.g. beef, Italian, and pork).

### 08.2 Processed meat, poultry, and game products in whole pieces or cuts:

Includes various treatments for non-heat treated meat cuts (08.2.1) and heat-treated meat cuts (08.3.2).

#### 08.2.1 Non-heat treated processed meat, poultry and game products in whole pieces or cuts:

This category describes several treatment methods (e.g. curing, salting, drying, pickling) that preserve and extend the shelf life of meats.

##### 08.2.1.1 Cured (including salted) non-heat treated processed meat, poultry, and game products in whole pieces or cuts:

Salted products are treated with sodium chloride. Dry cured (dry pickled) products are prepared by rubbing salt directly on the meat surface. Wet pickle cured products are prepared by submerging the meat in a brine solution. Pump cured products are prepared by injecting brine into the meat. Curing may also be achieved by

addition of additives. Smoked products are also included here.<sup>61</sup> Examples include: bacon (cured, dry-cured, immersion-cured, pump-cured); side bacon; corned beef; marinated beef; and different types of Oriental pickled products: miso-pickled meat (*miso-zuke*), koji-pickled meat (*koji-zuke*), and soy sauce-pickled meat (*shoyu-zuke*).

#### 08.2.1.2 Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts:

The meat cuts may be cured or salted as described for category 08.2.1.1, and then dried, or they may only be dried. Drying is achieved either in hot air or in vacuum.<sup>61</sup> Examples include: dried salt pork, dehydrated meat, stuffed loin, Iberian ham, and prosciutto-type ham.

#### 08.2.1.3 Fermented non-heat treated processed meat, poultry, and game products in whole pieces or cuts:

Fermented products are a type of pickled product produced by the action of lactic acid bacteria in the presence of salt. Examples include: potted beef and pickled (fermented) pig's feet.

#### 08.2.2 Heat-treated processed meat, poultry, and game products in whole pieces or cuts:

Includes cooked (including cured and cooked, and dried and cooked), heat-treated (including sterilized) and canned meat cuts. Examples include: cured, cooked ham; cured, cooked pork shoulder; canned chicken meat; and meat pieces boiled in soy sauce (*tsukudani*).

#### 08.2.3 Frozen processed meat, poultry, and game products in whole pieces or cuts:

Includes raw and cooked meat cuts that have been frozen. Examples include: frozen whole chickens, frozen chicken parts, and frozen beef steaks.

#### 08.3 Processed comminuted meat, poultry, and game products:

Includes various treatments for non-heat treated products (08.3.1) and heat-treated products (08.3.2).

##### 08.3.1 Non-heat treated processed comminuted meat, poultry, and game products:

This category describes several treatment methods (e.g. curing, salting, drying, pickling) that preserve and extend the shelf life of comminuted and mechanically deboned meat products.

##### 08.3.1.1 Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products:

Salted products are treated with sodium chloride. Dry cured (dry pickled) products are prepared by rubbing salt directly on the meat surface. Wet pickle cured products are prepared by submerging the meat in a brine solution. Pump cured products are prepared by injecting brine into the meat. Curing may also be achieved by addition of additives. Also includes smoked products.<sup>61</sup> Examples include: chorizos (spicy pork sausages), salami-type products, salchichon, tocino (fresh, cured sausage), pepperoni, and smoked sausage.

##### 08.3.1.2 Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products:

The comminuted or mechanically deboned products may be cured or salted as described for category 08.3.1.1, and then dried, or they may only be dried. Drying is achieved either in hot air or in vacuum.<sup>61</sup> Examples include: pasturmas, dried sausages, cured and dried sausages, beef jerky, Chinese sausages (including traditional cured or smoked pork sausage), and sobrasada.

##### 08.3.1.3 Fermented non-heat treated processed comminuted meat, poultry, and game products:

Fermented products are a type of pickled product produced by the action of lactic acid bacteria in the presence of salt. Certain types of sausages may be fermented.

##### 08.3.2 Heat-treated processed comminuted meat, poultry, and game products:

Includes cooked (including cured and cooked, and dried and cooked), heat-treated (including sterilized) and canned comminuted products. Examples include: pre-grilled beef patties; foie gras and pates; brawn and head cheese; cooked, cured chopped meat; chopped meat boiled in soy sauce (*tsukudani*); canned corned beef; luncheon meats; meat pastes; cooked meat patties; cooked salami-type products; cooked meatballs;

<sup>61</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, pp. 439-445.

saucises de strasbourg; breakfast sausages; brown-and-serve sausages; and terrines (a cooked chopped meat mixture).

#### 08.3.3 Frozen processed comminuted meat, poultry, and game products:

Includes raw, partially cooked and fully cooked comminuted or mechanically deboned meat products that have been frozen. Examples include: frozen hamburger patties; frozen breaded or battered chicken fingers.

#### 08.4 Edible casings (e.g. sausage casings):

Casings or tubing prepared from collagen, cellulose, or food-grade synthetic material or from natural sources (e.g. hog or sheep intestines) that contain the sausage mix.<sup>61</sup>

#### 09.0 Fish and fish products, including molluscs, crustaceans, and echinoderms:

This broad category is divided into categories for fresh fish (09.1) and various processed fish products (09.2 – 09.4). This category includes aquatic vertebrates (fish and aquatic mammals (e.g. whales)), aquatic invertebrates (e.g. jellyfish), as well as molluscs (e.g. clams, snails), crustaceans (e.g. shrimp, crab, lobster), and echinoderms (e.g. sea urchins, sea cucumbers). Fish products may be treated with coatings, such as glazes and spice rubs, prior to marketing to the consumer (e.g. glazed frozen fish fillets). In the Food Category System, this is indicated with a notation for “use as a glaze or coating (surface treatment).”

#### 09.1 Fresh fish and fish products, including molluscs, crustaceans, and echinoderms:

The term “fresh” refers to fish and fish products that are untreated except for refrigeration, storage on ice, or freezing upon catching at sea or in lakes or other bodies of water in order to prevent decomposition and spoilage.<sup>62</sup>

##### 091.1. Fresh fish:

Includes fresh whale meat, cod, salmon, trout, etc.; and fresh fish roe.

##### 09.1.2 Fresh molluscs, crustaceans and echinoderms:

Includes fresh shrimp, clams, crabs, lobster, snails, etc.

#### 09.2 Processed fish and fish products, including molluscs, crustaceans, and echinoderms:

This category refers to fish products that are frozen and may require further cooking, as well as ready-to-eat cooked, smoked, dried, fermented, and salted products.

##### 09.2.1 Frozen fish, fish fillets, and fish products, including molluscs, crustaceans, and echinoderms:

Fresh, including partially cooked, fish subjected to freezing or quick-freezing at sea and on land for further processing.<sup>62</sup> Examples include: frozen or deep frozen clams, cod fillets, crab, finfish, haddock, hake, lobster, minced fish, prawns and shrimp; frozen fish roe; frozen surimi; and frozen whale meat.

##### 09.2.2 Frozen battered fish, fish fillets and fish products, including molluscs, crustaceans, and echinoderms:

Uncooked product prepared from fish or fish portions, with dressing in eggs and bread crumbs or batter. Examples include: frozen raw breaded or batter-coated shrimp; and frozen or quick-frozen breaded or batter-coated fish fillets, fish portions and fish sticks (fish fingers).<sup>63</sup>

##### 09.2.3 Frozen minced and creamed fish products, including molluscs, crustaceans, and echinoderms:

Uncooked product prepared from minced fish pieces in cream-type sauce.

##### 09.2.4 Cooked and/or fried fish and fish products, including molluscs, crustaceans, and echinoderms:

Includes all ready-to-eat cooked products as described in the sub-categories.

###### 09.2.4.1 Cooked fish and fish products:

Cooked products include steamed, boiled or any other cooking method except frying (see 09.2.4.3). The fish may be whole, in portions or comminuted. Examples include: fish sausage; cooked fish products boiled

<sup>62</sup> Ibid., pp. 464-468.

<sup>63</sup> *Standard for Quick Frozen Fish Sticks (Fish Fingers), Fish Portions and Fish Fillets – Breaded and in Batter* (CODEX STAN 166-1989).

down in soy sauce (*tsukudani*); cooked surimi product (*kamaboko*); crab-flavoured cooked *kamaboko* product (*kanikama*); cooked fish roe; cooked surimi; cooked, tube-shaped surimi product (*chikuwa*); and cooked fish and lobster paste (surimi-like products). Other fish paste (Oriental type) is found in 09.3.4.

#### 09.2.4.2 Cooked molluscs, crustaceans, and echinoderms:

Cooked products include steamed, boiled or any other cooking method except frying (see 09.2.4.3). Examples include: cooked *crangon crangon* and *crangon vulgaris* (brown shrimp; cooked shrimp, clams and crabs).

#### 09.2.4.3 Fried fish and fish products, including molluscs, crustaceans, and echinoderms:

Ready-to-eat products prepared from fish or fish portions, with or without further dressing in eggs and bread crumbs or batter, that are fried, baked, roasted or barbecued, and then packaged or canned with or without sauce or oil.<sup>62</sup> Examples include: ready-to-eat fried surimi, fried calamari, and fried soft-shell crabs.

#### 09.2.5 Smoked, dried, fermented, and/or salted fish and fish products, including molluscs, crustaceans, and echinoderms:

Smoked fish are usually prepared from fresh deep frozen or frozen fish that are dried directly or after boiling, with or without salting, by exposing the fish to freshly-generated sawdust smoke. Dried fish are prepared by exposing the fish to sunlight or drying directly or after boiling in a special installation; the fish may be salted prior to drying. Salted fish are either rubbed with salt or placed in a salt solution. This manufacturing process is different from that described in food category 09.3 for marinated and pickled fish. Cured fish is prepared by salting and then smoking fish.<sup>62</sup> Examples include: salted anchovies, shrimp, and shad; smoked chub, cuttlefish and octopus; fish ham; dried and salted species of the *Gadidae* species; smoked or salted fish paste and fish roe; cured and smoked sablefish, shad, and salmon; dried shellfish, dried bonito (*katsuobushi*), and boiled, dried fish (*niboshi*).

#### 09.3 Semi-preserved fish and fish products, including molluscs, crustaceans, and echinoderms:

Includes products treated by methods such as marinating, pickling and partial cooking that have a limited shelf life.

##### 09.3.1 Fish and fish products, including molluscs, crustaceans, and echinoderms, marinated and/or in jelly:

Marinated products are manufactured by soaking the fish in vinegar or wine with or without added salt and spices. They are packaged in jars or cans and have a limited shelf life. Products in jelly may be manufactured by tenderizing fish products by cooking or steaming, adding vinegar or wine, salt and preservatives, and solidifying in a jelly. Examples include: “rollmops” (a type of marinated herring), sea eel (dogfish) in jelly and fish aspic.<sup>62</sup>

##### 09.3.2 Fish and fish products, including molluscs, crustaceans, and echinoderms, pickled and/or in brine:

Pickled products are sometimes considered a type of marinated product. Pickling results from the treatment of the fish with a salt and vinegar or alcohol (e.g. wine) solution.<sup>62</sup> Examples include: different types of Oriental pickled products: *koji*-pickled fish (*koji-zuke*), lees-pickled fish (*kasu-zuke*), *miso*-pickled fish (*miso-zuke*), soy sauce-pickled fish (*shoyu-zuke*), and vinegar-pickled fish (*su-zuke*); pickled whale meat; and pickled herring and sprat.

##### 09.3.3 Salmon substitutes, caviar, and other fish roe products:

Roe is usually produced by washing, salting and allowing to ripen until transparent. The roe is then packaged in glass or other suitable containers. The term “caviar” refers only to the roe of the sturgeon species (e.g. beluga). Caviar substitutes are made of roe of various sea and freshwater fish (e.g. cod and herring) that are salted, spiced, dyed and may be treated with a preservative.<sup>62</sup> Examples include: salted salmon roe (*sujiko*), processed, salted salmon roe (*ikura*), cod roe, salted cod roe (*tarako*) and lumpfish caviar. Occasionally, roe may be pasteurized. In this case, it is included in food category 09.4, since it is a fully preserved product. Roe products that are frozen, cooked or smoked are included in category 09.2.1, 09.2.4.1, and 09.2.5, respectively; fresh fish roe is found in category 09.1.1.

09.3.4 Semi-preserved fish and fish products, including molluscs, crustaceans, and echinoderms (e.g. fish paste), excluding products of food categories 09.3.1 – 0.9.3.3:

Examples include fish or crustacean pates and traditional Oriental fish paste. The latter is produced from fresh fish or the residue from fish sauce production, which is combined with other ingredients such as wheat flour, bran, rice or soybeans. The product may be further fermented.<sup>64</sup> Cooked fish or crustacean pastes (surimi-like products) are found in 09.2.4.1 and 09.2.4.2, respectively.

09.4 Fully preserved, including canned or fermented fish and fish products, including molluscs, crustaceans, and echinoderms:

Products with extended shelf life, manufactured by pasteurizing or steam retorting and packaging in vacuum-sealed air-tight containers to ensure sterility. Products may be packed in their own juice or in added oil or sauce.<sup>62</sup> This category excludes fully cooked products (see category 09.2.4). Examples include: canned tuna, clams, crab, fish roe and sardines; gefilte fish balls; and surimi (heat-pasteurized).

10.0 Eggs and egg products:

Includes fresh in-shell eggs (10.1), products that may substitute for fresh eggs (10.2) and other egg products (10.3 and 10.4).

10.1 Fresh eggs:

Fresh in-shell eggs are not expected to contain additives. However, colours may be used for decorating, dyeing or stamping the exterior surfaces of shell eggs. In the Food Category System, a notation for "for decoration, stamping, marking or branding the product (surface treatment) accommodates this.

10.2 Egg products:

Products that may be used as replacement for fresh eggs in recipes or as a food (e.g. omelette). They are produced from fresh eggs by either (i) mixing and purifying the whole egg; or (ii) separating the egg white and yolk, and then mixing and purifying each separately. The purified whole egg, white or yolk is then further processed to produce liquid, frozen or dried eggs as described below.<sup>65</sup>

10.2.1 Liquid egg products:

The purified whole egg, egg yolk or egg white is pasteurized and chemically preserved (e.g. by addition of salt).

10.2.2 Frozen egg products:

The purified whole egg, egg yolk or egg white is pasteurized and frozen.

10.2.3 Dried and/or heat coagulated egg products:

Sugars are removed from the purified whole egg, egg yolk or egg white, which is then pasteurized and dried.

10.3 Preserved eggs, including alkaline, salted, and canned eggs:

Includes traditional Oriental preserved products, such as salt-cured duck eggs (*Hueidan*), and alkaline treated "thousand-year-old-eggs" (*pidan*).<sup>66</sup>

10.4 Egg-based desserts (e.g. custard):

Includes ready-to-eat products and products to be prepared from a dry mix. Examples include: flan and egg custard. Also includes custard fillings for fine bakery wares (e.g. pies).

11.0 Sweeteners, including honey:

Includes all standardized sugars (11.1), non-standardized products (e.g. 11.2, 11.3, 11.4 and 11.6), and natural sweeteners (11.5 – honey).

<sup>64</sup> *Asian Foods: Science and Technology*, C.Y.W. Ang, K.S. Liu, & Y.-W. Huang, Eds., Chapter 9: Traditional Oriental Seafood Products, Y.-W. Huang & C.-Y. Huang, Technomic Publishing Co., Lancaster PA 1999, p. 264.

<sup>65</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, pp. 411-414.

<sup>66</sup> *Asian Foods: Science and Technology*, C.Y.W. Ang, K.S. Liu, & Y.-W. Huang, Eds., Chapter 8: Traditional Poultry and Egg Products, T.C. Chen, Technomic Publishing Co., Lancaster PA 1999, pp. 240-244.

### 11.1 Refined and raw sugars:

Nutritive sweeteners, such as fully or partially purified sucrose (derived from sugar beet and sugar cane), glucose (derived from starch), or fructose, that are included in sub-categories 11.1.1 to 11.1.5.

#### 11.1.1 White sugar, dextrose anhydrous, dextrose monohydrate, fructose:

White sugar is purified and crystallized sucrose with a polarisation of not less than 99.7°Z. Dextrose anhydrous is purified and crystallized D-glucose without water of crystallization. Dextrose monohydrate is purified and crystallized D-glucose with one molecule of water of crystallization. Fructose is purified and crystallized D-fructose.<sup>67</sup>

#### 11.1.2 Powdered sugar, powdered dextrose:

Powdered sugar (icing sugar) is finely pulverized white sugar with or without added anticaking agents. Powdered dextrose (icing dextrose) is finely pulverized dextrose anhydrous or dextrose monohydrate, or a mixture of the two, with or without added anticaking agents.<sup>67</sup>

#### 11.1.3 Soft white sugar, soft brown sugar, glucose syrup, dried glucose syrup, raw cane sugar:

Soft white sugar is fine grain purified, moist sugar, that is white in colour. Soft brown sugar is fine grain moist sugar that is light to dark brown in colour. Glucose syrup is a purified concentrated aqueous solution of nutritive saccharides derived from starch and/or inulin.<sup>68</sup> Dried glucose syrup is glucose syrup from which water has been partially removed. Raw cane sugar is partially purified sucrose crystallized from partially purified cane juice without further purification.<sup>67</sup>

##### 11.1.3.1 Dried glucose syrup used to manufacture sugar confectionery:

Dried glucose syrup, as described in 11.1.3, used to manufacture candy products that are included in food category 05.2 (e.g. hard or soft candies).

##### 11.1.3.2 Glucose syrup used to manufacture sugar confectionery:

Glucose syrup, as described in 11.1.3, used to manufacture candy products that are included in food category 05.2 (e.g. hard or soft candies).

#### 11.1.4 Lactose:

A natural constituent of milk normally obtained from whey. It may be anhydrous, or contain one molecule of water of crystallization, or be a mixture of both forms.<sup>67</sup>

#### 11.1.5 Plantation or mill white sugar:

Purified and crystallized sucrose with a polarisation of not less than 99.5°Z.<sup>67</sup>

### 11.2 Brown sugar excluding products of food category 11.1.3:

Includes large-grain, brown or yellow lump sugars, such as Demerara sugar.

### 11.3 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3:

Includes co-products of the sugar refining process (e.g. treacle and molasses), invert sugar (equimolar mixture of glucose and fructose produced from the hydrolysis of sucrose),<sup>68</sup> and other sweeteners, such as high fructose corn syrup, high fructose inulin syrup and corn sugar.

### 11.4 Other sugars and syrups (e.g. xylose, maple syrup, sugar toppings):

Includes all types of table syrups (e.g. maple syrup), syrups for fine bakery wares and ices (e.g. caramel syrup, flavoured syrups), and decorative sugar toppings (e.g. coloured sugar crystals for cookies).

### 11.5 Honey:

Honey is the natural sweet substance produced by honeybees from the nectar of blossoms or secretions of plants. The honeybees collect the nectar or secretions, transform it by combination with specific substances

<sup>67</sup> *Standard for Sugars* (CODEX STAN 212-1999).

<sup>68</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, p. 631-633.

of the bees' own, and store it in a honeycomb to ripen and mature.<sup>69</sup> Examples of honey include wildflower honey and clover honey.

#### 11.6 Table-top sweeteners, including those containing high-intensity sweeteners:

Includes products that are preparations of high-intensity sweeteners (e.g. acesulfame potassium) and/or of polyols (e.g. sorbitol) which may contain other additives and/or nutritive ingredients, such as carbohydrates. These products, which are sold to the final consumer, may be in powder, solid (e.g. tablets or cubes), or liquid form.

#### 12.0 Salts, spices, soups, sauces, salads, protein products:

This is a broad category that includes substances added to food to enhance its aroma and taste (12.1 – salt and salt substitutes; 12.2 – herbs, spices, seasonings and condiments (e.g. seasoning for instant noodles); 12.3 – vinegars; and 12.4 – mustards), certain prepared foods (12.5 – soups and broths; 12.6 – sauces and like products; and 12.7 – salads (e.g. macaroni salad, potato salad) and sandwich spreads, excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3)), and products composed primarily of protein that are derived from soybeans or from other sources (e.g. milk, cereal, or vegetables) (12.9 – soybean-based seasonings and condiments; and 12.10 – protein products other than from soybeans).

##### 12.1 Salt and salt substitutes:

Includes salt (12.1.1) and salt substitutes (12.1.2) used as seasoning for food.

###### 12.1.1 Salt:

Primarily food-grade sodium chloride. Includes table salt, iodized and fluoride iodized salt, and dendritic salt.

###### 12.1.2 Salt substitutes:

Salt substitutes are seasonings with reduced sodium content intended to be used on food in place of salt.

##### 12.2 Herbs, spices, seasonings, and condiments (e.g. seasoning for instant noodles):

This category describes items whose use is intended to enhance the aroma and taste of food.

###### 12.2.1 Herbs and spices:

Herbs and spices are usually derived from botanical sources, and may be dehydrated, and either ground or whole. Examples of herbs include basil, oregano and thyme. Examples of spices include cumin and caraway seeds. Spices may also be found as blends in powder or paste form. Examples of spice blends include chilli seasoning, chilli paste, curry paste, curry roux, and dry cures or rubs that are applied to external surfaces of meat or fish.

###### 12.2.2 Seasonings and condiments:

Condiments include seasonings such as meat tenderizers, onion salt, garlic salt, Oriental seasoning mix (*dashi*), topping to sprinkle on rice (*furikake*, containing, e.g. dried seaweed flakes, sesame seeds and seasoning), and seasoning for noodles. The term “condiments” as used in the Food Category System does not include condiment sauces (e.g. ketchup, mayonnaise, mustard) or relishes.

##### 12.3 Vinegars:

Liquid produced from fermentation of ethanol from a suitable source (e.g. wine, cider). Examples include, cider vinegar, wine vinegar, malt vinegar, spirit vinegar, grain vinegar, raisin vinegar, and fruit (wine) vinegar.<sup>70</sup>

##### 12.4 Mustards:

Condiment sauce prepared from ground, often defatted mustard seed that is mixed into a slurry with water, vinegar, salt, oil and other spices and refined. Examples include Dijon mustard, and “hot” mustard (prepared from seeds with hulls).<sup>71</sup>

<sup>69</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, p. 636. *Standard for Honey* (CODEX STAN 12-1981).

<sup>70</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, pp. 719-720.

### 12.5 Soups and broths:

Includes ready-to-eat soups and mixes. The finished products may be water- (e.g. consommé) or milk-based (e.g. chowder).

#### 12.5.1 Ready-to-eat soups and broths, including canned, bottled, and frozen:

Water- or milk-based products consisting of vegetable, meat or fish broth with or without other ingredients (e.g. vegetables, meat, noodles). Examples include: bouillon, broths, consommés, water- and cream-based soups, chowders, and bisques.

#### 12.5.2 Mixes for soups and broths:

Concentrated soup to be reconstituted with water and/or milk, with or without addition of other optional ingredients (e.g. vegetables, meat, noodles). Examples include: bouillon powders and cubes; powdered and condensed soups (e.g. *mentsuyu*); and stock cubes and powders.

### 12.6 Sauces and like products:

Includes ready-to-eat sauces, gravies and dressings, and mixes to be reconstituted before consumption. The ready-to eat products are divided into sub-categories for emulsified (12.6.1) and non-emulsified (12.6.2) products, whereas the sub-category for the mixes (12.6.3) encompasses both emulsified and non-emulsified sauce mixes.

#### 12.6.1 Emulsified sauces and dips (e.g. mayonnaise, salad dressing, onion dips):

Sauces, gravies, dressings based and dips, at least in part, on a fat- or oil-in water emulsion. Examples include: salad dressing (e.g. French, Italian, Greek, ranch style), fat-based sandwich spreads (e.g. mayonnaise with mustard), salad cream, and fatty sauces and snack dips (e.g. bacon and cheddar dip, onion dip).

#### 12.6.2 Non-emulsified sauces (e.g. ketchup, cheese sauce, cream sauce, brown gravy):

Include water-, coconut milk-, and milk-based sauces, gravies and dressings. Examples include: barbecue sauce, tomato ketchup, cheese sauce, Worcestershire sauce, Oriental thick Worcestershire sauce (*tonkatsu sauce*), chilli sauce, sweet and sour dipping sauce, and white (cream-based) sauce (sauce consisting primarily of milk or cream, with little added fat (e.g. butter) and flour, with or without seasoning or spices).

#### 12.6.3 Mixes for sauces and gravies:

Concentrated product, usually in powdered form, to be mixed with water, milk, oil or other liquid to prepare a finished sauce or gravy. Examples include mixes for cheese sauce, hollandaise sauce, and salad dressing (e.g. Italian or ranch dressing).

#### 12.6.4 Clear sauces (e.g. fish sauce):

Includes thin, non-emulsified clear sauces that may be water-based. These sauces may be used as condiments or ingredients rather than as finished gravy (for use e.g. on roast beef). Examples include: oyster sauce, and Thai fish sauce (*nam pla*).

### 12.7 Salads (e.g. macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3:

Includes prepared salads, milk-based sandwich spreads, non-standardized mayonnaise-like sandwich spreads, and dressing for coleslaw (cabbage salad).

### 12.8 Yeast and like products:

Includes baker's yeast and leaven used in the manufacture of baked goods. Includes the Oriental products *koji* (rice or wheat malted with *A. oryzae*) used in the production of alcoholic beverages.

### 12.9 Soybean-based seasonings and condiments:

Includes products that are derived from soybeans and other ingredients intended for use as seasonings and condiments, such as fermented soybean paste and soybean sauces.

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<sup>71</sup> Ibid., p. 718.



### 12.9.1 Fermented soybean paste (e.g. miso):

The product is made of soybeans, salt, water and other ingredients, using the process of fermentation. The product includes *dou jiang* (China), *doenjang* (Republic of Korea), or *miso* (Japan), which maybe used in the preparation of soups or dressings, or as a seasoning.<sup>53,72</sup>

### 12.9.2 Soybean sauce:

A liquid seasoning obtained by fermentation of soybeans, non-fermentation (e.g. hydrolysis) of soybeans, or by hydrolysis of vegetable protein.

#### 12.9.2.1 Fermented soybean sauce:

A clear, non-emulsified sauce made of soybeans, cereal, salt and water by the fermentation process.

#### 12.9.2.2 Non-fermented soybean sauces:

Non-fermented soybean sauce, which is also known as non-brewed soybean sauce, may be produced from vegetable proteins, such as defatted soybeans that are acid-hydrolyzed (e.g. with hydrochloric acid), neutralized (e.g. with sodium carbonate), and filtered.<sup>73</sup>

#### 12.9.2.3 Other soybean sauce:

Non-emulsified sauce made from fermented soybean sauce and/or non-fermented soybean sauce, with or without sugar, with or without caramelization process.

### 12.10 Protein products other than from soybeans:

Includes, for example, milk protein, cereal protein and vegetable protein analogues or substitutes for standard products, such as meat, fish or milk. Examples include: vegetable protein analogues, *fu* (a mixture of gluten (vegetable protein) and flour that is sold dried (baked) or raw, and is used as an ingredient, e.g. in miso soup) and proteinaceous meat and fish substitutes.

### 13.0 Foodstuffs intended for particular nutritional uses:

Foods for special dietary use are specially processed or formulated to satisfy particular dietary requirements that exist because of a particular physical or physiological condition and/or specific disease and disorder. The composition of these foods must differ significantly from the composition of ordinary foods of comparable nature, if such foods exist.<sup>74</sup> Dietetic foods other than those in 13.0 are included in the categories for their standard counterparts.<sup>75</sup>

#### 13.1 Infant formulae, follow-up formulae, and formulae for special medical purposes for infants:

Foods that are intended for infants and for young children as defined in the sub-categories 13.1.1, 13.1.2, and 13.1.3.

##### 13.1.1 Infant formulae:

A human milk substitute for infants (aged no more than 12 months) that is specifically formulated to provide the sole source of nutrition during the first months of life up to the introduction of appropriate complementary feeding. Product is in a liquid form, either as a ready-to-eat product, or is reconstituted from a powder. Products, other than those under food category 13.1.3, may be, hydrolyzed protein and/or amino acid-based, or milk-based.

##### 13.1.2 Follow-up formulae:

Food intended for use as a liquid part of the complementary feeding of infants (aged at least 6 months) and for young children (aged 1-3 years).<sup>76</sup> They may be ready-to-eat or in a powdered form to be reconstituted with water. Products, other than those under food category 13.1.3, may be soy based hydrolyzed protein and/or amino acid-based, or milk-based.

<sup>72</sup> K.S. Liu, op.cit., pp. 173-181.

<sup>73</sup> Ibid., pp. 181-187.

<sup>74</sup> *General Standard for Labelling of and Claims for Prepackaged Foods for Special Dietary Use* (CODEX STAN 146-1985).

<sup>75</sup> For example, diet soda is found in 14.1.4.1, and low-joule jam is found in 04.1.2.5.

<sup>76</sup> *Standard for Follow-Up Formula* (CODEX STAN 156-1987).

### 13.1.3 Formulae for special medical purposes intended for infants:

Foods for special dietary use that are specially processed or formulated and presented for the dietary management of infants and may be used only under medical supervision. They are intended for the exclusive or partial feeding of infants with limited or impaired capacity to take, digest, absorb or metabolize ordinary infant formulae or certain nutrients contained therein, or who have other special medically-determined nutrient requirement, whose dietary management cannot be achieved only by modification of the normal diet, by other foods for special dietary uses, or by a combination of the two.<sup>77</sup>

### 13.2 Complementary foods for infants and young children:

Foods that are intended for infants 6 months of age and older, and for progressive adaptation of infants and children to ordinary food. Products may be ready-to-eat or in powder form to be reconstituted with water, milk, or other suitable liquid.<sup>78</sup> These foods exclude infant formulae (13.1.1), follow-up formulae (13.1.2), and formulae for special medical purposes (13.1.3).<sup>79</sup> Examples include: cereal-, fruit-, vegetable-, and meat-based “baby foods” for infants, “toddler foods,” and “junior foods”; lactea flour, biscuits and rusks for children.

### 13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1):

Foods for special dietary use that are specially processed or formulated and presented for the dietary management of patients and may be used only under medical supervision. They are intended for the exclusive or partial feeding of patients with limited or impaired capacity to take, digest, absorb or metabolize ordinary foods or certain nutrients contained therein, or who have other special medically-determined nutrient requirement, whose dietary management cannot be achieved only by modification of the normal diet, by other foods for special dietary uses, or by a combination of the two.<sup>77</sup>

### 13.4 Dietetic formulae for slimming purposes and weight reduction:

Formula foods that when presented as “ready-to-eat” or when prepared in conformity with the directions for use are specifically presented as replacements for all or part of the total daily diet.<sup>80</sup> Includes products with reduced caloric content such as those that are low in sugar and/or fat, sugar- or fat-free, or contain sugar- and/or fat-substitutes.

### 13.5 Dietetic foods (e.g. supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6:

Products of high nutritional content, in liquid or solid form (e.g. protein bars), to be used by individuals as part of a balanced diet to provide supplemental nutrition. Products are not intended to be used for purposes of weight loss or as part of a medical regimen.

### 13.6 Food supplements:

Includes vitamin and mineral supplements in unit dose forms such as capsules, tablets, powders, solutions, etc. where national jurisdictions regulate these products as food.<sup>81</sup>

### 14.0 Beverages, excluding dairy products:

This major category is divided into the broad categories of non-alcoholic (14.1) and alcoholic (14.2) beverages. Dairy-based beverages are included in 01.1.2.

#### 14.1 Non-alcoholic ("soft") beverages:

This broad category includes waters and carbonated waters (14.1.1), fruit and vegetable juices (14.1.2), fruit and vegetable nectars (14.1.3), water-based flavoured carbonated and non-carbonated drinks (14.1.4), and water-based brewed or steeped beverages such as coffee and tea (14.1.5).

<sup>77</sup> *Standard for the Labelling of and Claims for Foods for Special Medical Purposes* (CODEX STAN 180-1991).

<sup>78</sup> *Standard for Processed Cereal-Based Foods for Infants and Children* (CODEX STAN 74-1981).

<sup>79</sup> *Standard for Canned Baby Foods* (CODEX STAN 073-1981).

<sup>80</sup> *Standard for Formula Foods for Use in Weight Control Diets* (CODEX STAN 181-1991) and *Standard for Formula Foods for use in Very Low Energy Diets for Weight Reduction* (CODEX STAN 203-1995).

<sup>81</sup> *Guidelines for Vitamin and Mineral Food Supplements* (CAC/GL 55-2005).

#### 14.1.1 Waters:

Includes natural waters (14.1.1.1) and other bottled waters (14.1.1.2), each of which may be non-carbonated or carbonated.

##### 14.1.1.1 Natural mineral waters and source waters:

Waters obtained directly at the source and packaged close to the source; are characterized by the presence of certain mineral salts in relative proportions and trace elements or other constituents. Natural mineral water may be naturally carbonated (with carbon dioxide from the source), carbonated (with added carbon dioxide of another origin), decarbonated (with less carbon dioxide than present in the water at the source so it does not spontaneously give off carbon dioxide under conditions of standard temperature and pressure), or fortified (with carbon dioxide from the source), and non-carbonated (contains no free carbon dioxide).<sup>82</sup>

##### 14.1.1.2 Table waters and soda waters:

Includes waters other than natural source waters that may be carbonated by addition of carbon dioxide and may be processed by filtration, disinfection, or other suitable means. These waters may contain added mineral salts. Carbonated and non-carbonated waters containing flavours are found in category 14.1.4. Examples are table water, bottled water with or without added minerals, purified water, seltzer water, club soda, and sparkling water.

#### 14.1.2 Fruit and vegetable juices:

This category applies only to fruit and vegetable juices. Beverages based on fruit and vegetable juices are found in food category 14.1.4.2. Fruit-vegetable juice blends have separate classifications for each component (i.e. fruit juice (14.1.2.1) and vegetable juice (14.1.2.3)).

##### 14.1.2.1 Fruit juice:

Fruit juice is the unfermented but fermentable liquid obtained from the edible part of sound, appropriately mature and fresh fruit or of fruit maintained in sound condition by suitable means. The juice is prepared by suitable processes, which maintain the essential physical, chemical, organoleptical and nutritional characteristics of the juices of the fruit from which it comes. The juice may be cloudy or clear, and may have restored (to the normal level attained in the same kind of fruit) aromatic substances and volatile flavour components, all of which must be obtained by suitable physical means, and all of which must have been recovered from the same kind of fruit. Pulp and cells obtained by suitable physical means from the same kind of fruit may be added. A single juice is obtained from one kind of fruit. A mixed juice is obtained by blending two or more juices or juices and purees, from different kinds of fruit. Fruit juice may be obtained, e.g. by directly expressing the juice by mechanical extraction processes, by reconstituting concentrated fruit juice (food category 14.1.2.3) with water, or in limited situations by water extraction of the whole fruit (e.g. prune juice from dried prunes).<sup>83</sup> Examples include: orange juice, apple juice, black currant juice, lemon juice, orange-mango juice and coconut water.

##### 14.1.2.2 Vegetable juice:

Vegetable juice is the liquid unfermented but fermentable product intended for direct consumption obtained by mechanical expression, crushing, grinding, and/or sieving of one or more sound fresh vegetables or vegetables preserved exclusively by physical means. The juice may be clear, turbid, or pulpy. It may have been concentrated and reconstituted with water. Products may be based on a single vegetable (e.g. carrot) or blends of vegetables (e.g. carrots, celery).

##### 14.1.2.3 Concentrates for fruit juice:

Concentrated fruit juice is the product that complies with the definition given in food category 14.1.2.1. It is prepared by the physical removal of water from fruit juice in an amount to increase the Brix level to a value at least 50% greater than that established for reconstituted juice from the same fruit. In the production of juice that is to be concentrated, suitable processes are used, and may be combined, with simultaneous diffusion of the pulp cells or fruit pulp by water, provided that the water-extracted soluble fruit solids are added in-line to the primary juice, before the concentration procedure. Fruit juice concentrates may have restored (to the normal level attained in the same kind of fruit) aromatic substances and volatile flavour

<sup>82</sup> *Standard for Natural Mineral Waters* (CODEX STAN 108-1981).

<sup>83</sup> *General Standard for Fruit Juices and Nectars* (CODEX STAN 247-2005).

components, all of which must be obtained by suitable physical means, and all of which must be recovered from the same kind of fruit. Pulp and cells obtained by suitable physical means from the same kind of fruit may be added.<sup>83</sup> Sold in liquid, syrup and frozen forms for the preparation of a ready-to-drink juice by addition of water. Examples include: frozen orange juice concentrate, and lemon juice concentrate.

#### 14.1.2.4 Concentrates for vegetable juice:

Prepared by the physical removal of water from vegetable juice. Sold in liquid, syrup and frozen forms for the preparation of a ready-to-drink juice by addition of water. Includes carrot juice concentrate.

#### 14.1.3 Fruit and vegetable nectars:

Fruit and vegetable nectars are beverages produced from purees, juices, or concentrates of either, blended with water and sugar, honey, syrups, and/or sweeteners.<sup>83</sup> Fruit-vegetable nectar blends are reported under their components (i.e. fruit nectar (14.1.3.1) and vegetable nectar (14.1.3.2)).

##### 14.1.3.1 Fruit nectar:

Fruit nectar is the unfermented but fermentable product obtained by adding water with or without the addition of sugar, honey, syrups, and/or sweeteners to fruit juice, concentrated fruit juice, fruit purees or concentrated fruit purees, or a mixture of those products. Aromatic substances, volatile flavour components, pulp and cells, all of which must have been recovered from the same kind of fruit and obtained by suitable physical means, may be added. Products may be based on a single fruit or on fruit blends.<sup>83</sup> Examples include: pear nectar and peach nectar.

##### 14.1.3.2 Vegetable nectar:

Product obtained by adding water with or without the addition of sugar, honey, syrups, and/or sweeteners to vegetable juice or concentrated vegetable juice, or a mixture of those products. Products may be based on a single vegetable or on a blend of vegetables.

##### 14.1.3.3 Concentrates for fruit nectar:

Prepared by the physical removal of water from fruit nectar or its starting materials.<sup>83</sup> Sold in liquid, syrup and frozen forms for the preparation of a ready-to-drink nectar by addition of water. Examples: pear nectar concentrate and peach nectar concentrate.

##### 14.1.3.4 Concentrates for vegetable nectar:

Prepared by the physical removal of water from vegetable nectar. Sold in liquid, syrup and frozen forms for the preparation of ready-to-drink nectars by addition of water.

#### 14.1.4 Water-based flavoured drinks, including “sport,” “energy,” or “electrolyte” drinks and particulated drinks:

Includes all carbonated and non-carbonated varieties and concentrates. Includes products based on fruit and vegetable juices.<sup>84</sup> Also, includes coffee-, tea- and herbal-based drinks.

##### 14.1.4.1 Carbonated water-based flavoured drinks:

Includes water-based flavoured drinks with added carbon dioxide with nutritive, non-nutritive and/or intense sweeteners and other permitted food additives. Includes *gaseosa* (water-based drinks with added carbon dioxide, sweetener, and flavour), and sodas such as colas, pepper-types, root beer, lemon-lime, and citrus types, both diet/light and regular types. These beverages may be clear, cloudy, or may contain particulated matter (e.g. fruit pieces). Includes so-called “energy” drinks that are carbonated and contain high levels of nutrients and other ingredients (e.g. caffeine, taurine, carnitine).

##### 14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades:

Include water-based flavoured drinks without added carbon dioxide, fruit and vegetable juice-based drinks (e.g. almond, aniseed, coconut-based drinks, and ginseng drink), fruit flavoured ades (e.g. lemonade, orangeade), squashes (citrus-based soft drinks), capile groselha, lactic acid beverage, ready-to-drink coffee and tea drinks with or without milk or milk solids, and herbal-based drinks (e.g. iced tea, fruit-flavoured iced tea, chilled canned cappuccino drinks) and “sports” drinks containing electrolytes. These beverages may be

<sup>84</sup> Fruit and vegetable juices *per se* are found in 14.1.2.1 and 14.1.2.2, respectively.

clear or contain particulated matter (e.g. fruit pieces), and may be unsweetened or sweetened with sugar or a non-nutritive high-intensity sweetener. Includes so-called “energy” drinks that are non-carbonated and contain high levels of nutrients and other ingredients (e.g. caffeine, taurine, carnitine).

#### 14.1.4.3 Concentrates (liquid or solid) for water-based flavoured drinks:

Include powder, syrup, liquid and frozen concentrates for the preparation of carbonated or non-carbonated water-based non-alcoholic beverages by addition of water or carbonated water. Examples include: fountain syrups (e.g. cola syrup), fruit syrups for soft drinks, frozen or powdered concentrate for lemonade and iced tea mixes.

#### 14.1.5 Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa:

Includes the ready-to-drink products (e.g. canned), and their mixes and concentrates. Examples include: chicory-based hot beverages (postum), rice tea, mate tea, and mixes for hot coffee and tea beverages (e.g. instant coffee, powder for hot cappuccino beverages). Treated coffee beans for the manufacture of coffee products are also included. Ready-to-drink cocoa is included in category 01.1.2, and cocoa mixes in 05.1.1.

#### 14.2 Alcoholic beverages, including alcohol-free and low-alcoholic counterparts:

The alcohol-free and low-alcoholic counterparts are included in the same category as the alcoholic beverage.

##### 14.2.1 Beer and malt beverages:

Alcoholic beverages brewed from germinated barley (malt), hops, yeast, and water. Examples include: ale, brown beer, weiss beer, pilsner, lager beer, oud bruin beer, Obergariges Einfachbier, light beer, table beer, malt liquor, porter, stout, and barleywine.<sup>85</sup>

##### 14.2.2 Cider and perry:

Fruit wines made from apples (cider) and pears (perry). Also includes cider bouche.<sup>86</sup>

##### 14.2.3 Grape wines:

Alcoholic beverage obtained exclusively from the partial or complete alcoholic fermentation of fresh grapes, whether crushed or not, or of grape must (juice).<sup>87</sup>

###### 14.2.3.1 Still grape wine:

Grape wine (white, red, rosé, or blush, dry or sweet) that may contain up to a maximum 0.4g/100 ml (4000 mg/kg) carbon dioxide at 20 °C.

###### 14.2.3.2 Sparkling and semi-sparkling grape wines:

Grape wines in which carbonation is produced during the fermentation process, either by bottle fermentation or closed tank fermentation. Also includes carbonated wine whose carbon dioxide is partially or totally of exogenous origin. Examples include: spumante, and “cold duck” wine.<sup>86</sup>

###### 14.2.3.3 Fortified grape wine, grape liquor wine, and sweet grape wine:

Grape wines produced either by: (i) the fermentation of grape must (juice) of high sugar concentration; or (ii) by the blending of concentrated grape juice with wine; or (iii) the mixture of fermented must with alcohol. Examples include: grape dessert wine.<sup>86</sup>

##### 14.2.4 Wines (other than grape):

Includes wines made from fruit other than grapes, apples and pears,<sup>88</sup> and from other agricultural products, including grain (e.g. rice). These wines may be still or sparkling. Examples include: rice wine (*sake*), and sparkling and still fruit wines.

<sup>85</sup> *Food Chemistry*, H.-D. Belitz & W. Grosch, Springer-Verlag, Heidelberg, 1987, p. 644.

<sup>86</sup> *Ibid.* pp. 669-679.

<sup>87</sup> *Ibid.* p. 654. OIV – International Code of Oenological Practices

<sup>88</sup> Grape wines are included in 14.2.3; and apple wine (cider) and pear wine (perry) are included in 14.2.2.

#### 14.2.5 Mead:

Alcoholic liquor made from fermented honey, malt and spices, or just of honey. Includes honey wine.<sup>86</sup>

#### 14.2.6 Distilled spirituous beverages containing more than 15% alcohol:

Includes all distilled spirituous beverages derived from grain (e.g. corn, barley, rye, wheat), tubers (e.g. potato), fruit (e.g. grapes, berries) or sugar cane that contain greater than 15% alcohol. Examples include: aperitifs, brandy (distilled wine), cordials, liqueurs (including emulsified liqueurs), bagaceira belha (grappa from Portugal; bagaceira is a drink distilled from *bagaco* (pressed skins, seeds and stalks of the grapes)), eau de vie (a brandy), gin, grappa (Italian brandy distilled from the residues of pressed wine), marc (brandy distilled from grape or apple residue), korn (grain spirit (*schnapps*) of Germany, usually derived from rye (*Roggen*), sometimes from wheat (*Weizen*) or both (*Getreide*); also labelled as *Kornbrannt* or *Kornbranntwein*)<sup>89</sup>, mistela (also *mistelle* (France) and *jeropico* (South Africa); unfermented grape juice fortified with grape alcohol), ouzo (Greek spirit drink flavoured with aniseed), rum, tsikoudia (grape marc spirit from Crete), tsipouro (grape marc spirit from certain regions in Greece), wienbrand (style of grape brandy devised by Hugo Asbach, Rudesheim, Germany; literally, “burnt wine”)<sup>89</sup>, *cachaça* (Brazilian liquor made from fermented distilled sugar cane juice)<sup>90</sup>, tequila, whiskey, and vodka.<sup>86,91,92</sup>

#### 14.2.7 Aromatized alcoholic beverages (e.g. beer, wine and spirituous cooler-type beverages, low-alcoholic refreshers):

Includes all non-standardized alcoholic beverage products. Although most of these products contain less than 15% alcohol, some traditional non-standardized aromatized products may contain up to 24% alcohol. Examples include aromatized wine, cider and perry; aperitif wines; americano; batidas (drinks made from *cachaça*, fruit juice or coconut milk and, optionally, sweetened condensed milk)<sup>90</sup>; bitter soda and bitter vino; clarea (also *claré* or *clary*; a mixture of honey, white wine and spices; it is closely related to *hippocras*, which is made with red wine); jurubeba alcoholic drinks (beverage alcohol product made from the *Solanum paniculatum* plant indigenous to the north of Brazil and other parts of South America); negus (sangria; a hot drink made with port wine, sugar, lemon and spice); sod, soft, and sodet; vermouth; zurra (in Southern Spain, a sangria made with peaches or nectarines; also the Spanish term for a spiced wine made of cold or warm wine, sugar, lemon, oranges or spices); *amazake* (a sweet low-alcoholic beverages (<1% alcohol) made from rice by *koji*; *mirin* (a sweet alcoholic beverage (<10% alcohol) made from a mixture of *shochuu* (a spirituous beverage), rice and *koji*); “malternatives,” and prepared cocktails (mixtures of liquors, liqueurs, wines, essences, fruit and plant extracts, etc. marketed as ready-to-drink products or mixes). Cooler-type beverages are composed of beer, malt beverage, wine or spirituous beverage, fruit juice(s), and soda water (if carbonated).<sup>86,91,93</sup>

#### 15.0 Ready-to-eat savouries:

Includes all types of savoury snack foods.

##### 15.1 Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes):

Includes all savoury snacks, with or without added flavourings, but excludes unsweetened crackers (category 07.1.2). Examples include potato chips, popcorn, pretzels, rice crackers (*senbei*), flavoured crackers (e.g. cheese-flavoured crackers), *bhujia* (*namkeen*; snack made of a mixture of flours, maize, potatoes, salt, dried fruit, peanuts, spices, colours, flavours, and antioxidants), and *papads* (prepared from soaked rice flour or from black gram or cow pea flour, mixed with salt and spices, and formed into balls or flat cakes).

##### 15.2 Processed nuts, including coated nuts and nut mixtures (with e.g. dried fruit):

Includes all types of whole nuts processed by, e.g. dry-roasting, roasting, marinating or boiling, either in-shell or shelled, salted or unsalted. Yoghurt-, cereal-, and honey-covered nuts, and dried fruit-nut-and-cereal

<sup>89</sup> *The Wordsworth Dictionary of Drink*, N. Halley, Wordsworth Ltd., Hertfordshire, England, 1996.

<sup>90</sup> *Insight Guide: Rio de Janeiro*, APA Publications, GmBH & Co., Verlag KG, Singapore, 2000, p. 241.

<sup>91</sup> *OIV Lexique de la Vigne*.

<sup>92</sup> See also: Glossary of Portuguese Terms at: [www.bar-do-binho.com/help.htm](http://www.bar-do-binho.com/help.htm)

<sup>93</sup> *Alexis Lichinne's New Encyclopedia of Wine and Spirits*, 3<sup>rd</sup> Ed. See also: [rain-tree.com/jurubeba.htm](http://rain-tree.com/jurubeba.htm), [www.florilegium.org/files/BEVERAGES/Clarea-d-Agua-art.html](http://www.florilegium.org/files/BEVERAGES/Clarea-d-Agua-art.html), and [wine.about.com/food/wine/library/types/bl\\_sangria.htm](http://wine.about.com/food/wine/library/types/bl_sangria.htm).

snacks (e.g. “trail mixes”) are classified here. Chocolate-covered nuts are classified in 05.1.4, and nuts covered in imitation chocolate are included in 05.1.5.

#### 15.3 Snacks - fish based:

This describes savoury crackers with fish, fish products or fish flavouring. Dried fish *per se* that may be consumed as a snack is assigned to food category 09.2.5, and dried meat snacks (e.g. beef jerky, pemmican) are assigned to food category 08.3.1.2.

#### 16.0 Prepared foods:

These foods are not included in the other food categories (01-15) and should be considered on a case-by-case basis. Prepared foods are mixtures of multiple components (e.g. meat, sauce, grain, cheese, vegetables); the components are included in other food categories. Prepared foods require minimal preparation by the consumer (e.g. heating, thawing, rehydrating). Provisions for additives will be listed in this food category in the GSFA only if the additive is needed: (i) solely to have a technological function in the prepared food as sold to the consumer; or (ii) at a use level that has an intentional technological function in the prepared food that exceeds the use level that can be accounted for by carry-over from the individual components.

## ANNEX C

**CROSS-REFERENCE OF CODEX STANDARDISED FOODS WITH THE FOOD CATEGORY SYSTEM USED FOR THE ELABORATION OF THE GSFA**

**Annex C sorted by Codex Standard Number**

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
003-1981	Canned Salmon	09.4
012-1981	Honey	11.5
013-1981	Preserved Tomatoes	04.2.2.4
017-1981	Canned Applesauce	04.1.2.4
019-1981	Edible Fats and Oils Not Covered by Individual Standards (General Standard)	02.1
033-1981	Olive Oil, Virgin and Refined, and Refined Olive Pomace Oil, Olive Oils and Olive Pomace Oils	02.1.2
036-1981	Quick-Frozen Finfish, Uneviscerated and Eviscerated	09.2.1
037-1981	Canned Shrimps or Prawns	09.4
038-1981	Edible Fungi and Fungi Products (concentrate, dried concentrate or extract)	04.2.2.6
038-1981	Edible Fungi and Fungi Products (edible fungi)	04.2.1.1
038-1981	Edible Fungi and Fungi Products (fermented)	04.2.2.7
038-1981	Edible Fungi and Fungi Products (fungus products)	04.2.2
038-1981	Edible Fungi and Fungi Products (incl. freeze dried, fungus grits and fungus powder)	04.2.2.2
038-1981	Edible Fungi and Fungi Products (quick frozen)	04.2.2.1
038-1981	Edible Fungi and Fungi Products (salted, pickled or in vegetable oil)	04.2.2.3
038-1981	Edible Fungi and Fungi Products (sterilized)	04.2.2.4
039-1981	Dried Edible Fungi	04.2.2.2
040R-1981	Fresh Fungus "Chanterelle" (Regional Standard)	04.2.1.1
041-1981	Quick Frozen Peas	04.2.2.1
042-1981	Canned Pineapple	04.1.2.4
052-1981	Quick Frozen Strawberries	04.1.2.1
053-1981	Special Dietary Foods with Low-Sodium Content, including salt substitutes (salt substitutes)	12.1.2
053-1981	Special Dietary Foods with Low-Sodium Content, including salt substitutes (special dietary foods with low sodium content)	13.0
057-1981	Processed Tomato Concentrates (canned tomato paste)	04.2.2.4
057-1981	Processed Tomato Concentrates (tomato puree)	04.2.2.5
057-1981	Processed Tomato Concentrates (tomato paste)	04.2.2.6
060-1981	Canned Raspberries	04.1.2.4
061-1985	Canned Pears	04.1.2.4
062-1987	Canned Strawberries	04.1.2.4



<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
066-1981	Table Olives	04.2.2.3
067-1981	Raisins	04.1.2.2
069-1981	Quick Frozen Raspberries	04.1.2.1
070-1981	Canned Tuna and Bonito	09.4
072-1981	Infant Formula and Formula for Special Dietary Purposes Intended for Infants (infant formula)	13.1.1
072-1981	Infant formula and Formula for Special Dietary Purposes Intended for Infants (formula for special dietary purposes intended for infants)	13.1.3
073-1981	Canned Baby Foods	13.2
074-1981	Processed Cereal-Based Foods for Infants and Children	13.2
075-1981	Quick Frozen Peaches	04.1.2.1
076-1981	Quick Frozen Bilberries	04.1.2.1
077-1981	Quick Frozen Spinach	04.2.2.1
078-1981	Canned Fruit Cocktail	04.1.2.4
086-1981	Cocoa Butters	05.1.3
087-1981	Chocolate and Chocolate Products	05.1.4
088-1981	Canned Corned Beef	08.3.2
089-1981	Luncheon Meat	08.3.2
090-1981	Canned Crab Meat	09.4
092-1981	Quick Frozen Shrimps or Prawns	09.2.1
094-1981	Canned Sardines and Sardine-Type Products	09.4
095-1981	Quick Frozen Lobsters	09.2.1
096-1981	Cooked Cured Ham	08.2.2
097-1981	Cooked Cured Pork Shoulder	08.2.2
098-1981	Cooked Cured Chopped Meat	08.3.2
099-1981	Canned Tropical Fruit Salad	04.1.2.4
103-1981	Quick Frozen Blueberries	04.1.2.1
104-1981	Quick Frozen Leek	04.2.2.1
105-1981	Cocoa Powders (Cocoa) and Dry Mixtures of Cocoa and Sugar	05.1.1
108-1981	Natural Mineral Waters	14.1.1.1
110-1981	Quick Frozen Broccoli	04.2.2.1
111-1981	Quick Frozen Cauliflower	04.2.2.1
112-1981	Quick Frozen Brussels Sprouts	04.2.2.1
113-1981	Quick Frozen Green Beans and Wax Beans	04.2.2.1
114-1981	Quick Frozen French-Fried Potatoes	04.2.2.1
115-1981	Pickled Cucumbers (Cucumber Pickles)	04.2.2.3
117-1981	Bouillon and Consommés	12.5
118-1981	Foods for Special Dietary Use for Persons Intolerant to Gluten	13.3

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
119-1981	Canned Finfish	09.4
130-1981	Dried Apricots	04.1.2.2
131-1981	Unshelled Pistachio Nuts	04.2.1.1
132-1981	Quick Frozen Whole Kernel Corn	04.2.2.1
133-1981	Quick Frozen Corn-on-the-Cob	04.2.2.1
140-1983	Quick Frozen Carrots	04.2.2.1
141-1983	Cocoa (Cacao) Mass (Cocoa/Chocolate Liquor) and Cocoa Cake	05.1.1
143-1985	Dates (coated)	04.1.1.2
143-1985	Dates (fresh)	04.1.1.1
145-1985	Canned Chestnuts and Canned Chestnut Puree	04.2.2.4
150-1985	Food Grade Salt	12.1.1
151-1985	Gari	04.2.2.7
152-1985	Wheat Flour	06.2.1
153-1985	Maize (Corn)	06.1
154-1985	Whole Maize (Corn) Meal	06.2.1
155-1985	Degermed Maize (Corn) Meal and Maize (Corn) Grits	06.2.1
156-1987	Follow-Up Formula	13.1.2
159-1987	Canned Mangoes	04.1.2.4
160-1987	Mango Chutney	04.1.2.6
163-1987	Wheat Protein Products, Including Wheat Gluten	12.10
165-1989	Quick Frozen Blocks of Fish Fillets, Minced Fish Flesh and Mixtures of Fillets and Minced Fish Flesh	09.2.1
166-1989	Quick Frozen Fish Sticks (Fish Fingers), Fish Portions and Fish Fillets – Breaded and in Batter	09.2.2
167-1989	Salted Fish and Dried Salted Fish of the Gadidae Family of Fishes	09.2.5
169-1989	Whole and Decorticated Pearl Millet Grains	06.1
170-1989	Pearl Millet Flour	06.2.1
171-1989	Certain Pulses	04.2.1.1
172-1989	Sorghum Grains	06.1
173-1989	Sorghum Flour	06.2.1
174-1989	Vegetable Protein Products	12.10
175-1989	Soy Protein Products	06.8.8
176-1989	Edible Cassava Flour	06.2.1
177-1991	Grated Desiccated Coconut	04.1.2.2
178-1991	Durum Wheat Semolina and Durum Wheat Flour	06.2.1
181-1991	Formula Foods for Use in Weight Control Diets	13.4
182-1993	Pineapple	04.1.1.1
183-1993	Papaya	04.1.1.1

Standard No	Codex Standard Title	Food Cat. No.
184-1993	Mango	04.1.1.1
185-1993	Nopal	04.2.1.1
186-1993	Prickly pear	04.2.1.1
187-1993	Carambola	04.1.1.1
188-1993	Baby Corn	04.2.1.1
189-1993	Dried Shark Fins	09.2.5
190-1995	Quick Frozen Fish Fillets	09.2.1
191-1995	Quick Frozen Raw Squid	09.2.1
196-1995	Litchi	04.1.1.1
197-1995	Avocado	04.2.1.1
198-1995	Rice	06.1
199-1995	Wheat and Durum Wheat	06.1
200-1995	Peanuts	04.2.1.1
201-1995	Oats	06.1
202-1995	Couscous	06.1
203-1995	Formula Foods for Use in Very Low Energy Diets for Weight Reduction	13.4
204-1997	Mangosteens	04.1.1.1
205-1997	Bananas	04.1.1.1
207-1999	Milk Powders and Cream Powders	01.5.1
208-1999	Cheeses in Brine	01.6.2.1
210-1999	Named Vegetable Oils	02.1.2
211-1999	Named Animal Fats	02.1.3
212-1999	Sugars (glucose syrup, dried glucose, soft white sugar, brown sugar, raw cane sugar)	11.1.3
212-1999	Sugars (lactose)	11.1.4
212-1999	Sugars (plantation or white mill sugar)	11.1.5
212-1999	Sugars (powdered sugar and powdered dextrose)	11.1.2
212-1999	Sugars (white sugar, dextrose anhydrous, dextrose monohydrate, fructose)	11.1.1
213-1999	Limes	04.1.1.1
214-1999	Pumelos ( <i>Citrus grandis</i> )	04.1.1.1
215-1999	Guavas	04.1.1.1
216-1999	Chayotes	04.1.1.1
217-1999	Mexican Limes	04.1.1.1
218-1999	Ginger	04.2.1.1
219-1999	Grapefruits ( <i>Citrus paradisi</i> )	04.1.1.1
220-1999	Longans	04.1.1.1

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
221-2001	Unripened Cheese, including Fresh Cheese	01.6.1
222-2001	Crackers from Marine and Freshwater Fish, Crustaceans and Molluscan Shellfish	09.2.5
223-2001	Kimchi	04.2.2.7
224-2001	Tannia	04.2.1.1
225-2001	Asparagus	04.2.1.1
226-2001	Cape Gooseberry	04.1.1.1
227-2001	Bottled/Packaged Drinking Waters (other than natural mineral water)	14.1.1.2
236-2003	Boiled Dried Salted Anchovies	09.2.5
237-2003	Pitahayas	04.1.1.1
238-2003	Sweet Cassava	04.2.1.1
240-2003	Aqueous Coconut Products (coconut milk and coconut cream)	04.1.2.8
241-2003	Canned Bamboo Shoots	04.2.2.4
242-2003	Canned Stone Fruits	04.1.2.4
243-2003	Fermented Milks (flavoured, heat treated and non-heat treated)	01.7
243-2003	Fermented Milks (plain)	01.2.1
243-2003	Fermented Milks (plain, heat treated)	01.2.1.2
243-2003	Fermented Milks (plain, non-heat treated)	01.2.1.1
243-2003	Fermented milks (drinks based on fermented milk, plain or flavoured, heat treated or not heat treated)	01.1.2
244-2004	Salted Atlantic Herring and Salted Sprat	09.2.5
245-2004	Oranges	04.1.1.1
246-2005	Rambutan	04.1.1.1
247-2005	Fruit Juices and Nectars (fruit juices)	14.1.2.1
247-2005	Fruit Juices and Nectars (concentrates for fruit juice)	14.1.2.3
247-2005	Fruit Juices and Nectars (fruit nectars)	14.1.3.1
247-2005	Fruit Juices and Nectars (concentrates for fruit nectars)	14.1.3.3
249-2006	Instant Noodles	06.4.3
250-2006	Blend of Evaporated Skimmed Milk and Vegetable Fat	01.3.2
251-2006	Blend of Skimmed Milk and Vegetable Fat in Powdered Form	01.5.2
252-2006	Blend of Sweetened Condensed Milk and Vegetable Fat	01.3.2
253-2006	Dairy Fat Spreads	02.2.2
254-2007	Certain Canned Citrus Fruits	04.1.2.4
255-2007	Table Grapes	04.1.1.1
256-2007	Fat Spreads and Blended Spreads	02.2.2
257R-2007	Canned Humus with Tehena (Regional Standard)	04.2.2.4
258R-2007	Canned Foul Medames (Regional Standard)	04.2.2.4
259R-2007	Tehena (Regional Standard)	04.2.2.6

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
260-2007	Pickled Fruits and Vegetables (pickled fruits)	04.1.2.3
260-2007	Pickled Fruits and Vegetables (fermented fruits)	04.1.2.10
260-2007	Pickled Fruits and Vegetables (pickled vegetables)	04.2.2.3
260-2007	Pickled Fruits and Vegetables (fermented vegetables)	04.2.2.7
262-2007	Mozzarella	01.6.1
263-1966	Cheddar	01.6.2.1
264-1966	Danbo	01.6.2.1
265-1966	Edam	01.6.2.1
266-1966	Gouda	01.6.2.1
267-1966	Havarti	01.6.2.1
268-1966	Samsøe	01.6.2.1
269-1967	Emmental	01.6.2.1
270-1968	Tilsiter	01.6.2.1
271-1968	Saint Paulin	01.6.2.1
272-1968	Provolone	01.6.2.1
273-1968	Cottage Cheese	01.6.1
274-1969	Coulommiers	01.6.2.1
275-1973	Cream Cheese (Rahmfrischkäse)	01.6.1
276-1973	Camembert	01.6.2.1
277-1973	Brie	01.6.2.1
278-1978	Extra Hard Grating Cheese	01.6.2.1
279-1971	Butter	02.2.1
280-1973	Milkfat Products	02.1.1
281-1971	Evaporated milks	01.3.1
282-1971	Sweetened Condensed Milks	01.3.1
283-1978	Cheese (ripened, including mould ripened)	01.6.2.1
283-1978	Cheese (unripened, including fresh cheese) – See also CODEX STAN 221-2001	01.6.1
284-1971	Whey Cheeses (whey cheese)	01.6.3
284-1971	Whey Cheeses (whey protein cheese)	01.6.6
288-1976	Cream and Prepared Creams (fermented cream, acidified cream)	01.4.3
288-1976	Cream and Prepared Creams (reconstituted cream, recombined cream, prepackaged liquid cream)	01.4.1
288-1976	Cream and Prepared Creams (whipping cream, cream packaged under pressure, whipped cream)	01.4.2
289-1995	Whey powders	01.8.2
290-1995	Edible Casein Products	01.5.1
291-2010	Sturgeon caviar	09.3.3

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
292-2008	Raw and Live Bivalve Molluscs (live)	09.1.2
292-2008	Raw and Live Bivalve Molluscs (raw, chilled shucked)	09.1.2
292-2008	Raw and Live Bivalve Molluscs (raw, frozen)	09.2.1
293-2008	Tomatoes	04.2.1.1
294R-2009	Gochujang (Regional Standard)	04.2.2.7
295R-2009	Ginseng Products (Regional Standard) (dried ginseng, dried raw ginseng, dried steamed ginseng)	04.2.2.2
295R-2009	Ginseng Products (Regional Standard) (ginseng extract, raw ginseng extract, steamed ginseng extract)	04.2.2.6
296-2009	Jams, Jellies and Marmalades	04.1.2.5
297-2009	Certain Canned Vegetables	04.2.2.4
298R-2009	Fermented Soybean Paste (Regional Standard)	12.9.1
299-2010	Apples	04.1.1.1
300-2010	Bitter cassava	04.2.1.1
301R-2011	Edible Sago Flour (Regional Standard)	06.2.1
302-2011	Fish Sauce	12.6.4
303-2011	Tree Tomatoes	04.2.1.1
304R-2011	Culantro Coyote (Regional Standard)	04.2.1.1
305R-2011	Lucuma (Regional Standard)	04.1.1.1
306R-2011	Chilli Sauce (Regional Standard)	12.6.2
307-2011	Chilli Peppers	04.2.1.1
308R-2011	Harissa (Regional Standard)	04.2.2.6
309R-2011	Halwa Tehenia (Regional Standard)	05.2.2
310-2013	Pomegranate	04.2.1.1
311-2013	Smoke Fish, Smoke-Flavoured Fish and Smoke-Dried Fish	09.2.5
312-2013	Live Abalone and Raw Fresh Chilled or Frozen Abalone for Direct Consumption or for Further Processing (frozen)	09.1.2
312-2013	Live Abalone and Raw Fresh Chilled or Frozen Abalone for Direct Consumption or for Further Processing (fresh)	09.2.1
313R-2013	Tempe (Regional Standard)	06.8.6
314R-2013	Date Paste (Regional Standard)	04.1.2.8

**Annex C sorted by Codex Standard Title**

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
299-2010	Apples	04.1.1.1
240-2003	Aqueous Coconut Products (coconut milk and coconut cream)	04.1.2.8
225-2001	Asparagus	04.2.1.1
197-1995	Avocado	04.2.1.1
188-1993	Baby Corn	04.2.1.1
205-1997	Bananas	04.1.1.1
300-2010	Bitter cassava	04.2.1.1
250-2006	Blend of Evaporated Skimmed Milk and Vegetable Fat	01.3.2
251-2006	Blend of Skimmed Milk and Vegetable Fat in Powdered Form	01.5.2
252-2006	Blend of Sweetened Condensed Milk and Vegetable Fat	01.3.2
236-2003	Boiled Dried Salted Anchovies	09.2.5
227-2001	Bottled/Packaged Drinking Waters (other than natural mineral water)	14.1.1.2
117-1981	Bouillon and Consommés	12.5
277-1973	Brie	01.6.2.1
279-1971	Butter	02.2.1
276-1973	Camembert	01.6.2.1
017-1981	Canned Applesauce	04.1.2.4
073-1981	Canned Baby Foods	13.2
241-2003	Canned Bamboo Shoots	04.2.2.4
145-1985	Canned Chestnuts and Canned Chestnut Puree	04.2.2.4
088-1981	Canned Corned Beef	08.3.2
090-1981	Canned Crab Meat	09.4
119-1981	Canned Finfish	09.4
258R-2007	Canned Foul Medames (Regional Standard)	04.2.2.4
078-1981	Canned Fruit Cocktail	04.1.2.4
257R-2007	Canned Humus with Tehena (Regional Standard)	04.2.2.4
159-1987	Canned Mangoes	04.1.2.4
061-1985	Canned Pears	04.1.2.4
042-1981	Canned Pineapple	04.1.2.4
060-1981	Canned Raspberries	04.1.2.4
003-1981	Canned Salmon	09.4
094-1981	Canned Sardines and Sardine-Type Products	09.4
037-1981	Canned Shrimps or Prawns	09.4
242-2003	Canned Stone Fruits	04.1.2.4
062-1987	Canned Strawberries	04.1.2.4
099-1981	Canned Tropical Fruit Salad	04.1.2.4

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
070-1981	Canned Tuna and Bonito	09.4
226-2001	Cape Gooseberry	04.1.1.1
187-1993	Carambola	04.1.1.1
254-2007	Certain Canned Citrus Fruits	04.1.2.4
297-2009	Certain Canned Vegetables	04.2.2.4
171-1989	Certain Pulses	04.2.1.1
216-1999	Chayotes	04.1.1.1
263-1966	Cheddar	01.6.2.1
283-1978	Cheese (ripened, including mould ripened)	01.6.2.1
283-1978	Cheese (unripened, including fresh cheese) – See also CODEX STAN 221-2001	01.6.1
208-1999	Cheeses in Brine	01.6.2.1
307-2011	Chilli Peppers	04.2.1.1
306R-2011	Chilli Sauce (Regional Standard)	12.6.2
087-1981	Chocolate and Chocolate Products	05.1.4
141-1983	Cocoa (Cacao) Mass (Cocoa/Chocolate Liquor) and Cocoa Cake	05.1.1
086-1981	Cocoa Butters	05.1.3
105-1981	Cocoa Powders (Cocoa) and Dry Mixtures of Cocoa and Sugar	05.1.1
098-1981	Cooked Cured Chopped Meat	08.3.2
096-1981	Cooked Cured Ham	08.2.2
097-1981	Cooked Cured Pork Shoulder	08.2.2
273-1968	Cottage Cheese	01.6.1
274-1969	Coulommiers	01.6.2.1
202-1995	Couscous	06.1
222-2001	Crackers from Marine and Freshwater Fish, Crustaceans and Molluscan Shellfish	09.2.5
288-1976	Cream and Prepared Creams (fermented cream, acidified cream)	01.4.3
288-1976	Cream and Prepared Creams (reconstituted cream, recombined cream, prepackaged liquid cream)	01.4.1
288-1976	Cream and Prepared Creams (whipping cream, cream packaged under pressure, whipped cream)	01.4.2
275-1973	Cream Cheese (Rahmfrischkäse)	01.6.1
304R-2011	Culantro Coyote (Regional Standard)	04.2.1.1
253-2006	Dairy Fat Spreads	02.2.2
264-1966	Danbo	01.6.2.1
314R-2013	Date Paste (Regional Standard)	04.1.2.8
143-1985	Dates (coated)	04.1.1.2
143-1985	Dates (fresh)	04.1.1.1
155-1985	Degermed Maize (Corn) Meal and Maize (Corn) Grits	06.2.1



<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
130-1981	Dried Apricots	04.1.2.2
039-1981	Dried Edible Fungi	04.2.2.2
189-1993	Dried Shark Fins	09.2.5
178-1991	Durum Wheat Semolina and Durum Wheat Flour	06.2.1
265-1966	Edam	01.6.2.1
290-1995	Edible Casein Products	01.5.1
176-1989	Edible Cassava Flour	06.2.1
019-1981	Edible Fats and Oils Not Covered by Individual Standards (General Standard)	02.1
038-1981	Edible Fungi and Fungi Products (concentrate, dried concentrate or extract)	04.2.2.6
038-1981	Edible Fungi and Fungi Products (edible fungi)	04.2.1.1
038-1981	Edible Fungi and Fungi Products (fermented)	04.2.2.7
038-1981	Edible Fungi and Fungi Products (fungus products)	04.2.2
038-1981	Edible Fungi and Fungi Products (incl. freeze dried, fungus grits and fungus powder)	04.2.2.2
038-1981	Edible Fungi and Fungi Products (quick frozen)	04.2.2.1
038-1981	Edible Fungi and Fungi Products (salted, pickled or in vegetable oil)	04.2.2.3
038-1981	Edible Fungi and Fungi Products (sterilized)	04.2.2.4
301R-2011	Edible Sago Flour (Regional Standard)	06.2.1
269-1967	Emmental	01.6.2.1
281-1971	Evaporated milks	01.3.1
278-1978	Extra Hard Grating Cheese	01.6.2.1
256-2007	Fat Spreads and Blended Spreads	02.2.2
243-2003	Fermented milks (drinks based on fermented milk, plain or flavoured, heat treated or not heat treated)	01.1.2
243-2003	Fermented Milks (flavoured, heat treated and non-heat treated)	01.7
243-2003	Fermented Milks (plain)	01.2.1
243-2003	Fermented Milks (plain, heat treated)	01.2.1.2
243-2003	Fermented Milks (plain, non-heat treated)	01.2.1.1
298R-2009	Fermented Soybean Paste (Regional Standard)	12.9.1
302-2011	Fish Sauce	12.6.4
156-1987	Follow-Up Formula	13.1.2
150-1985	Food Grade Salt	12.1.1
118-1981	Foods for Special Dietary Use for Persons Intolerant to Gluten	13.3
203-1995	Formula Foods for Use in Very Low Energy Diets for Weight Reduction	13.4
181-1991	Formula Foods for Use in Weight Control Diets	13.4
040R-1981	Fresh Fungus "Chanterelle" (Regional Standard)	04.2.1.1

Standard No	Codex Standard Title	Food Cat. No.
247-2005	Fruit Juices and Nectars (concentrates for fruit juice)	14.1.2.3
247-2005	Fruit Juices and Nectars (concentrates for fruit nectars)	14.1.3.3
247-2005	Fruit Juices and Nectars (fruit juices)	14.1.2.1
247-2005	Fruit Juices and Nectars (fruit nectars)	14.1.3.1
151-1985	Gari	04.2.2.7
218-1999	Ginger	04.2.1.1
295R-2009	Ginseng Products (Regional Standard) (dried ginseng, dried raw ginseng, dried steamed ginseng)	04.2.2.2
295R-2009	Ginseng Products (Regional Standard) (ginseng extract, raw ginseng extract, steamed ginseng extract)	04.2.2.6
294R-2009	Gochujang (Regional Standard)	04.2.2.7
266-1966	Gouda	01.6.2.1
219-1999	Grapefruits ( <i>Citrus paradisi</i> )	04.1.1.1
177-1991	Grated Desiccated Coconut	04.1.2.2
215-1999	Guavas	04.1.1.1
309R-2011	Halwa Tehenia (Regional Standard)	05.2.2
308R-2011	Harissa (Regional Standard)	04.2.2.6
267-1966	Havarti	01.6.2.1
012-1981	Honey	11.5
072-1981	Infant Formula and Formula for Special Dietary Purposes Intended for Infants (infant formula)	13.1.1
072-1981	Infant formula and Formula for Special Dietary Purposes Intended for Infants (formula for special dietary purposes intended for infants)	13.1.3
249-2006	Instant Noodles	06.4.3
296-2009	Jams, Jellies and Marmalades	04.1.2.5
223-2001	Kimchi	04.2.2.7
213-1999	Limes	04.1.1.1
196-1995	Litchi	04.1.1.1
312-2013	Live Abalone and Raw Fresh Chilled or Frozen Abalone for Direct Consumption or for Further Processing (frozen)	09.1.2
312-2013	Live Abalone and Raw Fresh Chilled or Frozen Abalone for Direct Consumption or for Further Processing (fresh)	09.2.1
220-1999	Longans	04.1.1.1
305R-2011	Lucuma (Regional Standard)	04.1.1.1
089-1981	Luncheon Meat	08.3.2
153-1985	Maize (Corn)	06.1
184-1993	Mango	04.1.1.1
160-1987	Mango Chutney	04.1.2.6
204-1997	Mangosteens	04.1.1.1

Standard No	Codex Standard Title	Food Cat. No.
217-1999	Mexican Limes	04.1.1.1
207-1999	Milk Powders and Cream Powders	01.5.1
280-1973	Milkfat Products	02.1.1
262-2007	Mozzarella	01.6.1
211-1999	Named Animal Fats	02.1.3
210-1999	Named Vegetable Oils	02.1.2
108-1981	Natural Mineral Waters	14.1.1.1
185-1993	Nopal	04.2.1.1
201-1995	Oats	06.1
033-1981	Olive Oil, Virgin and Refined, and Refined Olive Pomace Oil, Olive Oils and Olive Pomace Oils	02.1.2
245-2004	Oranges	04.1.1.1
183-1993	Papaya	04.1.1.1
200-1995	Peanuts	04.2.1.1
170-1989	Pearl Millet Flour	06.2.1
115-1981	Pickled Cucumbers (Cucumber Pickles)	04.2.2.3
260-2007	Pickled Fruits and Vegetables (fermented fruits)	04.1.2.10
260-2007	Pickled Fruits and Vegetables (fermented vegetables)	04.2.2.7
260-2007	Pickled Fruits and Vegetables (pickled fruits)	04.1.2.3
260-2007	Pickled Fruits and Vegetables (pickled vegetables)	04.2.2.3
182-1993	Pineapple	04.1.1.1
237-2003	Pitahayas	04.1.1.1
310-2013	Pomegranate	04.2.1.1
013-1981	Preserved Tomatoes	04.2.2.4
186-1993	Prickly pear	04.2.1.1
074-1981	Processed Cereal-Based Foods for Infants and Children	13.2
057-1981	Processed Tomato Concentrates (canned tomato paste)	04.2.2.4
057-1981	Processed Tomato Concentrates (tomato paste)	04.2.2.6
057-1981	Processed Tomato Concentrates (tomato puree)	04.2.2.5
272-1968	Provolone	01.6.2.1
214-1999	Pumelos ( <i>Citrus grandi</i> )	04.1.1.1
076-1981	Quick Frozen Bilberries	04.1.2.1
165-1989	Quick Frozen Blocks of Fish Fillets, Minced Fish Flesh and Mixtures of Fillets and Minced Fish Flesh	09.2.1
103-1981	Quick Frozen Blueberries	04.1.2.1
110-1981	Quick Frozen Broccoli	04.2.2.1
112-1981	Quick Frozen Brussels Sprouts	04.2.2.1
140-1983	Quick Frozen Carrots	04.2.2.1

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
111-1981	Quick Frozen Cauliflower	04.2.2.1
133-1981	Quick Frozen Corn-on-the-Cob	04.2.2.1
190-1995	Quick Frozen Fish Fillets	09.2.1
166-1989	Quick Frozen Fish Sticks (Fish Fingers), Fish Portions and Fish Fillets – Breaded and in Batter	09.2.2
114-1981	Quick Frozen French-Fried Potatoes	04.2.2.1
113-1981	Quick Frozen Green Beans and Wax Beans	04.2.2.1
104-1981	Quick Frozen Leek	04.2.2.1
095-1981	Quick Frozen Lobsters	09.2.1
075-1981	Quick Frozen Peaches	04.1.2.1
041-1981	Quick Frozen Peas	04.2.2.1
069-1981	Quick Frozen Raspberries	04.1.2.1
191-1995	Quick Frozen Raw Squid	09.2.1
092-1981	Quick Frozen Shrimps or Prawns	09.2.1
077-1981	Quick Frozen Spinach	04.2.2.1
052-1981	Quick Frozen Strawberries	04.1.2.1
132-1981	Quick Frozen Whole Kernel Corn	04.2.2.1
036-1981	Quick-Frozen Finfish, Uneviscerated and Eviscerated	09.2.1
067-1981	Raisins	04.1.2.2
246-2005	Rambutan	04.1.1.1
292-2008	Raw and Live Bivalve Molluscs (live)	09.1.2
292-2008	Raw and Live Bivalve Molluscs (raw, chilled shucked)	09.1.2
292-2008	Raw and Live Bivalve Molluscs (raw, frozen)	09.2.1
198-1995	Rice	06.1
271-1968	Saint Paulin	01.6.2.1
244-2004	Salted Atlantic Herring and Salted Sprat	09.2.5
167-1989	Salted Fish and Dried Salted Fish of the Gadidae Family of Fishes	09.2.5
268-1966	Samsøe	01.6.2.1
311-2013	Smoke Fish, Smoke-Flavoured Fish and Smoke-Dried Fish	09.2.5
173-1989	Sorghum Flour	06.2.1
172-1989	Sorghum Grains	06.1
175-1989	Soy Protein Products	06.8.8
053-1981	Special Dietary Foods with Low-Sodium Content, including salt substitutes (salt substitutes)	12.1.2
053-1981	Special Dietary Foods with Low-Sodium Content, including salt substitutes (special dietary foods with low sodium content)	13.0
291-2010	Sturgeon caviar	09.3.3
212-1999	Sugars (glucose syrup, dried glucose, soft white sugar, brown sugar, raw cane sugar)	11.1.3

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
212-1999	Sugars (lactose)	11.1.4
212-1999	Sugars (plantation or white mill sugar)	11.1.5
212-1999	Sugars (powdered sugar and powdered dextrose)	11.1.2
212-1999	Sugars (white sugar, dextrose anhydrous, dextrose monohydrate, fructose)	11.1.1
238-2003	Sweet Cassava	04.2.1.1
282-1971	Sweetened Condensed Milks	01.3.1
255-2007	Table Grapes	04.1.1.1
066-1981	Table Olives	04.2.2.3
224-2001	Tannia	04.2.1.1
259R-2007	Tehena (Regional Standard)	04.2.2.6
313R-2013	Tempe (Regional Standard)	06.8.6
270-1968	Tilsiter	01.6.2.1
293-2008	Tomatoes	04.2.1.1
303-2011	Tree Tomatoes	04.2.1.1
221-2001	Unripened Cheese, including Fresh Cheese	01.6.1
131-1981	Unshelled Pistachio Nuts	04.2.1.1
174-1989	Vegetable Protein Products	12.10
199-1995	Wheat and Durum Wheat	06.1
152-1985	Wheat Flour	06.2.1
163-1987	Wheat Protein Products, Including Wheat Gluten	12.10
284-1971	Whey Cheeses (whey cheese)	01.6.3
284-1971	Whey Cheeses (whey protein cheese)	01.6.6
289-1995	Whey powders	01.8.2
169-1989	Whole and Decorticated Pearl Millet Grains	06.1
154-1985	Whole Maize (Corn) Meal	06.2.1

**Annex C sorted by GSFA Food Category Number**

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
243-2003	Fermented milks (drinks based on fermented milk, plain or flavoured, heat treated or not heat treated)	01.1.2
243-2003	Fermented Milks (plain)	01.2.1
243-2003	Fermented Milks (plain, non-heat treated)	01.2.1.1
243-2003	Fermented Milks (plain, heat treated)	01.2.1.2
281-1971	Evaporated milks	01.3.1
282-1971	Sweetened Condensed Milks	01.3.1
250-2006	Blend of Evaporated Skimmed Milk and Vegetable Fat	01.3.2
252-2006	Blend of Sweetened Condensed Milk and Vegetable Fat	01.3.2
288-1976	Cream and Prepared Creams (reconstituted cream, recombined cream, prepackaged liquid cream)	01.4.1
288-1976	Cream and Prepared Creams (whipping cream, cream packaged under pressure, whipped cream)	01.4.2
288-1976	Cream and Prepared Creams (fermented cream, acidified cream)	01.4.3
207-1999	Milk Powders and Cream Powders	01.5.1
290-1995	Edible Casein Products	01.5.1
251-2006	Blend of Skimmed Milk and Vegetable Fat in Powdered Form	01.5.2
221-2001	Unripened Cheese, including Fresh Cheese	01.6.1
262-2007	Mozzarella	01.6.1
273-1968	Cottage Cheese	01.6.1
275-1973	Cream Cheese (Rahmfrischkäse)	01.6.1
283-1978	Cheese (unripened, including fresh cheese) – See also CODEX STAN 221-2001	01.6.1
208-1999	Cheeses in Brine	01.6.2.1
263-1966	Cheddar	01.6.2.1
264-1966	Danbo	01.6.2.1
265-1966	Edam	01.6.2.1
266-1966	Gouda	01.6.2.1
267-1966	Havarti	01.6.2.1
268-1966	Samsoe	01.6.2.1
269-1967	Emmental	01.6.2.1
270-1968	Tilsiter	01.6.2.1
271-1968	Saint Paulin	01.6.2.1
272-1968	Provolone	01.6.2.1
274-1969	Coulommiers	01.6.2.1
276-1973	Camembert	01.6.2.1
277-1973	Brie	01.6.2.1

Standard No	Codex Standard Title	Food Cat. No.
278-1978	Extra Hard Grating Cheese	01.6.2.1
283-1978	Cheese (ripened, including mould ripened)	01.6.2.1
284-1971	Whey Cheeses (whey cheese)	01.6.3
284-1971	Whey Cheeses (whey protein cheese)	01.6.6
243-2003	Fermented Milks (flavoured, heat treated and non-heat treated)	01.7
289-1995	Whey powders	01.8.2
019-1981	Edible Fats and Oils Not Covered by Individual Standards (General Standard)	02.1
280-1973	Milkfat Products	02.1.1
033-1981	Olive Oil, Virgin and Refined, and Refined Olive Pomace Oil, Olive Oils and Olive Pomace Oils	02.1.2
210-1999	Named Vegetable Oils	02.1.2
211-1999	Named Animal Fats	02.1.3
279-1971	Butter	02.2.1
253-2006	Dairy Fat Spreads	02.2.2
256-2007	Fat Spreads and Blended Spreads	02.2.2
143-1985	Dates (fresh)	04.1.1.1
182-1993	Pineapple	04.1.1.1
183-1993	Papaya	04.1.1.1
184-1993	Mango	04.1.1.1
187-1993	Carambola	04.1.1.1
196-1995	Litchi	04.1.1.1
204-1997	Mangosteens	04.1.1.1
205-1997	Bananas	04.1.1.1
213-1999	Limes	04.1.1.1
214-1999	Pumelos ( <i>Citrus grandi</i> )	04.1.1.1
215-1999	Guavas	04.1.1.1
216-1999	Chayotes	04.1.1.1
217-1999	Mexican Limes	04.1.1.1
219-1999	Grapefruits ( <i>Citrus paradisi</i> )	04.1.1.1
220-1999	Longans	04.1.1.1
226-2001	Cape Gooseberry	04.1.1.1
237-2003	Pitahayas	04.1.1.1
245-2004	Oranges	04.1.1.1
246-2005	Rambutan	04.1.1.1
255-2007	Table Grapes	04.1.1.1
299-2010	Apples	04.1.1.1
305R-2011	Lucuma (Regional Standard)	04.1.1.1

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
143-1985	Dates (coated)	04.1.1.2
052-1981	Quick Frozen Strawberries	04.1.2.1
069-1981	Quick Frozen Raspberries	04.1.2.1
075-1981	Quick Frozen Peaches	04.1.2.1
076-1981	Quick Frozen Bilberries	04.1.2.1
103-1981	Quick Frozen Blueberries	04.1.2.1
067-1981	Raisins	04.1.2.2
130-1981	Dried Apricots	04.1.2.2
177-1991	Grated Desiccated Coconut	04.1.2.2
260-2007	Pickled Fruits and Vegetables (pickled fruits)	04.1.2.3
017-1981	Canned Applesauce	04.1.2.4
042-1981	Canned Pineapple	04.1.2.4
060-1981	Canned Raspberries	04.1.2.4
061-1985	Canned Pears	04.1.2.4
062-1987	Canned Strawberries	04.1.2.4
078-1981	Canned Fruit Cocktail	04.1.2.4
099-1981	Canned Tropical Fruit Salad	04.1.2.4
159-1987	Canned Mangoes	04.1.2.4
242-2003	Canned Stone Fruits	04.1.2.4
254-2007	Certain Canned Citrus Fruits	04.1.2.4
296-2009	Jams, Jellies and Marmalades	04.1.2.5
160-1987	Mango Chutney	04.1.2.6
240-2003	Aqueous Coconut Products (coconut milk and coconut cream)	04.1.2.8
314R-2013	Date Paste (Regional Standard)	04.1.2.8
260-2007	Pickled Fruits and Vegetables (fermented fruits)	04.1.2.10
038-1981	Edible Fungi and Fungi Products (edible fungi)	04.2.1.1
040R-1981	Fresh Fungus "Chanterelle" (Regional Standard)	04.2.1.1
131-1981	Unshelled Pistachio Nuts	04.2.1.1
171-1989	Certain Pulses	04.2.1.1
185-1993	Nopal	04.2.1.1
186-1993	Prickly pear	04.2.1.1
188-1993	Baby Corn	04.2.1.1
197-1995	Avocado	04.2.1.1
200-1995	Peanuts	04.2.1.1
218-1999	Ginger	04.2.1.1
224-2001	Tannia	04.2.1.1
225-2001	Asparagus	04.2.1.1



Standard No	Codex Standard Title	Food Cat. No.
238-2003	Sweet Cassava	04.2.1.1
293-2008	Tomatoes	04.2.1.1
300-2010	Bitter cassava	04.2.1.1
303-2011	Tree Tomatoes	04.2.1.1
304R-2011	Culantro Coyote (Regional Standard)	04.2.1.1
307-2011	Chilli Peppers	04.2.1.1
310-2013	Pomegranate	04.2.1.1
038-1981	Edible Fungi and Fungi Products (fungus products)	04.2.2
038-1981	Edible Fungi and Fungi Products (quick frozen)	04.2.2.1
041-1981	Quick Frozen Peas	04.2.2.1
077-1981	Quick Frozen Spinach	04.2.2.1
104-1981	Quick Frozen Leek	04.2.2.1
110-1981	Quick Frozen Broccoli	04.2.2.1
111-1981	Quick Frozen Cauliflower	04.2.2.1
112-1981	Quick Frozen Brussels Sprouts	04.2.2.1
113-1981	Quick Frozen Green Beans and Wax Beans	04.2.2.1
114-1981	Quick Frozen French-Fried Potatoes	04.2.2.1
132-1981	Quick Frozen Whole Kernel Corn	04.2.2.1
133-1981	Quick Frozen Corn-on-the-Cob	04.2.2.1
140-1983	Quick Frozen Carrots	04.2.2.1
038-1981	Edible Fungi and Fungi Products (incl. freeze dried, fungus grits and fungus powder)	04.2.2.2
039-1981	Dried Edible Fungi	04.2.2.2
295R-2009	Ginseng Products (Regional Standard) (dried ginseng, dried raw ginseng, dried steamed ginseng)	04.2.2.2
038-1981	Edible Fungi and Fungi Products (salted, pickled or in vegetable oil)	04.2.2.3
066-1981	Table Olives	04.2.2.3
115-1981	Pickled Cucumbers (Cucumber Pickles)	04.2.2.3
260-2007	Pickled Fruits and Vegetables (pickled vegetables)	04.2.2.3
013-1981	Preserved Tomatoes	04.2.2.4
038-1981	Edible Fungi and Fungi Products (sterilized)	04.2.2.4
057-1981	Processed Tomato Concentrates (canned tomato paste)	04.2.2.4
145-1985	Canned Chestnuts and Canned Chestnut Puree	04.2.2.4
241-2003	Canned Bamboo Shoots	04.2.2.4
257R-2007	Canned Humus with Tehena (Regional Standard)	04.2.2.4
258R-2007	Canned Foul Medames (Regional Standard)	04.2.2.4
297-2009	Certain Canned Vegetables	04.2.2.4
057-1981	Processed Tomato Concentrates (tomato puree)	04.2.2.5

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
038-1981	Edible Fungi and Fungi Products (concentrate, dried concentrate or extract)	04.2.2.6
057-1981	Processed Tomato Concentrates (tomato paste)	04.2.2.6
259R-2007	Tehena (Regional Standard)	04.2.2.6
295R-2009	Ginseng Products (Regional Standard) (ginseng extract, raw ginseng extract, steamed ginseng extract)	04.2.2.6
308R-2011	Harissa (Regional Standard)	04.2.2.6
038-1981	Edible Fungi and Fungi Products (fermented)	04.2.2.7
151-1985	Gari	04.2.2.7
223-2001	Kimchi	04.2.2.7
260-2007	Pickled Fruits and Vegetables (fermented vegetables)	04.2.2.7
294R-2009	Gochujang (Regional Standard)	04.2.2.7
105-1981	Cocoa Powders (Cocoa) and Dry Mixtures of Cocoa and Sugar	05.1.1
141-1983	Cocoa (Cacao) Mass (Cocoa/Chocolate Liquor) and Cocoa Cake	05.1.1
086-1981	Cocoa Butters	05.1.3
087-1981	Chocolate and Chocolate Products	05.1.4
309R-2011	Halwa Tehenia (Regional Standard)	05.2.2
153-1985	Maize (Corn)	06.1
169-1989	Whole and Decorticated Pearl Millet Grains	06.1
172-1989	Sorghum Grains	06.1
198-1995	Rice	06.1
199-1995	Wheat and Durum Wheat	06.1
201-1995	Oats	06.1
202-1995	Couscous	06.1
152-1985	Wheat Flour	06.2.1
154-1985	Whole Maize (Corn) Meal	06.2.1
155-1985	Degermed Maize (Corn) Meal and Maize (Corn) Grits	06.2.1
170-1989	Pearl Millet Flour	06.2.1
173-1989	Sorghum Flour	06.2.1
176-1989	Edible Cassava Flour	06.2.1
178-1991	Durum Wheat Semolina and Durum Wheat Flour	06.2.1
301R-2011	Edible Sago Flour (Regional Standard)	06.2.1
249-2006	Instant Noodles	06.4.3
313R-2013	Tempe (Regional Standard)	06.8.6
175-1989	Soy Protein Products	06.8.8
096-1981	Cooked Cured Ham	08.2.2
097-1981	Cooked Cured Pork Shoulder	08.2.2
088-1981	Canned Corned Beef	08.3.2

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
089-1981	Luncheon Meat	08.3.2
098-1981	Cooked Cured Chopped Meat	08.3.2
292-2008	Raw and Live Bivalve Molluscs (live)	09.1.2
292-2008	Raw and Live Bivalve Molluscs (raw, chilled shucked)	09.1.2
312-2013	Live Abalone and Raw Fresh Chilled or Frozen Abalone for Direct Consumption or for Further Processing (frozen)	09.1.2
036-1981	Quick-Frozen Finfish, Uneviscerated and Eviscerated	09.2.1
092-1981	Quick Frozen Shrimps or Prawns	09.2.1
095-1981	Quick Frozen Lobsters	09.2.1
165-1989	Quick Frozen Blocks of Fish Fillets, Minced Fish Flesh and Mixtures of Fillets and Minced Fish Flesh	09.2.1
190-1995	Quick Frozen Fish Fillets	09.2.1
191-1995	Quick Frozen Raw Squid	09.2.1
292-2008	Raw and Live Bivalve Molluscs (raw, frozen)	09.2.1
312-2013	Live Abalone and Raw Fresh Chilled or Frozen Abalone for Direct Consumption or for Further Processing (fresh)	09.2.1
166-1989	Quick Frozen Fish Sticks (Fish Fingers), Fish Portions and Fish Fillets – Breaded and in Batter	09.2.2
167-1989	Salted Fish and Dried Salted Fish of the Gadidae Family of Fishes	09.2.5
189-1993	Dried Shark Fins	09.2.5
222-2001	Crackers from Marine and Freshwater Fish, Crustaceans and Molluscan Shellfish	09.2.5
236-2003	Boiled Dried Salted Anchovies	09.2.5
244-2004	Salted Atlantic Herring and Salted Sprat	09.2.5
311-2013	Smoke Fish, Smoke-Flavoured Fish and Smoke-Dried Fish	09.2.5
291-2010	Sturgeon caviar	09.3.3
003-1981	Canned Salmon	09.4
037-1981	Canned Shrimps or Prawns	09.4
070-1981	Canned Tuna and Bonito	09.4
090-1981	Canned Crab Meat	09.4
094-1981	Canned Sardines and Sardine-Type Products	09.4
119-1981	Canned Finfish	09.4
212-1999	Sugars (white sugar, dextrose anhydrous, dextrose monohydrate, fructose)	11.1.1
212-1999	Sugars (powdered sugar and powdered dextrose)	11.1.2
212-1999	Sugars (glucose syrup, dried glucose, soft white sugar, brown sugar, raw cane sugar)	11.1.3
212-1999	Sugars (lactose)	11.1.4
212-1999	Sugars (plantation or white mill sugar)	11.1.5
012-1981	Honey	11.5

<b>Standard No</b>	<b>Codex Standard Title</b>	<b>Food Cat. No.</b>
150-1985	Food Grade Salt	12.1.1
053-1981	Special Dietary Foods with Low-Sodium Content, including salt substitutes (salt substitutes)	12.1.2
163-1987	Wheat Protein Products, Including Wheat Gluten	12.10
174-1989	Vegetable Protein Products	12.10
117-1981	Bouillon and Consommés	12.5
306R-2011	Chilli Sauce (Regional Standard)	12.6.2
302-2011	Fish Sauce	12.6.4
298R-2009	Fermented Soybean Paste (Regional Standard)	12.9.1
053-1981	Special Dietary Foods with Low-Sodium Content, including salt substitutes (special dietary foods with low sodium content)	13.0
072-1981	Infant Formula and Formula for Special Dietary Purposes Intended for Infants (infant formula)	13.1.1
156-1987	Follow-Up Formula	13.1.2
072-1981	Infant formula and Formula for Special Dietary Purposes Intended for Infants (formula for special dietary purposes intended for infants)	13.1.3
073-1981	Canned Baby Foods	13.2
074-1981	Processed Cereal-Based Foods for Infants and Children	13.2
118-1981	Foods for Special Dietary Use for Persons Intolerant to Gluten	13.3
181-1991	Formula Foods for Use in Weight Control Diets	13.4
203-1995	Formula Foods for Use in Very Low Energy Diets for Weight Reduction	13.4
108-1981	Natural Mineral Waters	14.1.1.1
227-2001	Bottled/Packaged Drinking Waters (other than natural mineral water)	14.1.1.2
247-2005	Fruit Juices and Nectars (fruit juices)	14.1.2.1
247-2005	Fruit Juices and Nectars (concentrates for fruit juice)	14.1.2.3
247-2005	Fruit Juices and Nectars (fruit nectars)	14.1.3.1
247-2005	Fruit Juices and Nectars (concentrates for fruit nectars)	14.1.3.3

## CODEX GENERAL STANDARD FOR FOOD ADDITIVES

# TABLE ONE

### Additives Permitted for Use Under Specified Conditions in Certain Food Categories or Individual Food Items

#### ACESULFAME POTASSIUM

INS 950 Acesulfame potassium Functional Class: Flavour enhancer, Sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	350 mg/kg	161 & 188	2007
01.3.2	Beverage whiteners	2000 mg/kg	161 & 188	2008
01.4.4	Cream analogues	1000 mg/kg	161 & 188	2008
01.5.2	Milk and cream powder analogues	1000 mg/kg	161 & 188	2008
01.6.5	Cheese analogues	350 mg/kg	161 & 188	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	350 mg/kg	161 & 188	2007
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000 mg/kg	161 & 188	2008
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	350 mg/kg	161 & 188	2007
03.0	Edible ices, including sherbet and sorbet	800 mg/kg	161 & 188	2007
04.1.2.1	Frozen fruit	500 mg/kg	161 & 188	2008
04.1.2.2	Dried fruit	500 mg/kg	161 & 188	2008
04.1.2.3	Fruit in vinegar, oil, or brine	200 mg/kg	161 & 188	2007
04.1.2.4	Canned or bottled (pasteurized) fruit	350 mg/kg	161 & 188	2007
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	161 & 188	2007
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	161 & 188	2007
04.1.2.7	Candied fruit	500 mg/kg	161 & 188	2007
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	350 mg/kg	161 & 188	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	350 mg/kg	161 & 188	2007
04.1.2.10	Fermented fruit products	350 mg/kg	161 & 188	2007
04.1.2.11	Fruit fillings for pastries	350 mg/kg	161 & 188	2007

Table One

## ACESULFAME POTASSIUM

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.12	Cooked fruit	500 mg/kg	161 & 188	2008
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	200 mg/kg	144 & 188	2007
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	350 mg/kg	161 & 188	2008
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1000 mg/kg	188	2008
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	350 mg/kg	161 & 188	2007
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	1000 mg/kg	188	2008
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	350 mg/kg	97 & 188	2007
05.1.2	Cocoa mixes (syrups)	350 mg/kg	97, 161 & 188	2007
05.1.3	Cocoa-based spreads, including fillings	1000 mg/kg	161 & 188	2007
05.1.4	Cocoa and chocolate products	500 mg/kg	161 & 188	2007
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg	161 & 188	2007
05.2.1	Hard candy	500 mg/kg	156, 161 & 188	2007
05.2.2	Soft candy	1000 mg/kg	157, 161 & 188	2007
05.2.3	Nougats and marzipans	1000 mg/kg	161 & 188	2007
05.3	Chewing gum	5000 mg/kg	161 & 188	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg	161 & 188	2007
06.3	Breakfast cereals, including rolled oats	1200 mg/kg	161 & 188	2007
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	350 mg/kg	161 & 188	2007
07.1	Bread and ordinary bakery wares	1000 mg/kg	161 & 188	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	1000 mg/kg	165 & 188	2007
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	144 & 188	2008
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	144 & 188	2007
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	144 & 188	2007
10.4	Egg-based desserts (e.g., custard)	350 mg/kg	161 & 188	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg/kg	159 & 188	2007
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP	188	2007

Table One

## ACESULFAME POTASSIUM

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	2000 mg/kg	161 & 188	2008
12.3	Vinegars	2000 mg/kg	161 & 188	2008
12.4	Mustards	350 mg/kg	188	2007
12.5	Soups and broths	110 mg/kg	161 & 188	2007
12.6	Sauces and like products	1000 mg/kg	188	2007
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	350 mg/kg	161 & 188	2007
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	500 mg/kg	188	2007
13.4	Dietetic formulae for slimming purposes and weight reduction	450 mg/kg	188	2007
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	450 mg/kg	188	2007
13.6	Food supplements	2000 mg/kg	188	2007
14.1.3.1	Fruit nectar	350 mg/kg	188	2005
14.1.3.2	Vegetable nectar	350 mg/kg	161 & 188	2008
14.1.3.3	Concentrates for fruit nectar	350 mg/kg	127 & 188	2005
14.1.3.4	Concentrates for vegetable nectar	350 mg/kg	127, 161 & 188	2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	600 mg/kg	161 & 188	2007
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	600 mg/kg	160, 161 & 188	2007
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	350 mg/kg	188	2007
15.0	Ready-to-eat savouries	350 mg/kg	188	2007

**ACETIC ACID, GLACIAL**

INS 260

Acetic acid, glacial

Functional Class: Acidity regulator, Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.6.6	Whey protein cheese	GMP		2006
04.2.1.1	Untreated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes [(including soybeans)], and aloe vera), seaweeds, and nuts and seeds	GMP	262 & 263	2013
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	262 & 263	2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
10.2.1	Liquid egg products	GMP		2013
10.2.2	Frozen egg products	GMP		2013

Table One

**ACETIC ACID, GLACIAL**

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
12.1.2	Salt Substitutes	GMP		2013
13.2	Complementary foods for infants and young children	5000 mg/kg	238	2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

**ACETIC AND FATTY ACID ESTERS OF GLYCEROL**

INS 472a Acetic and fatty acid esters of glycerol Functional Class: Emulsifier, Sequestrant, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**ACETYLATED DISTARCH ADIPATE**

INS 1422 Acetylated distarch adipate Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**ACETYLATED DISTARCH PHOSPHATE**

INS 1414 Acetylated distarch phosphate Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013



## ACID-TREATED STARCH

**ACID-TREATED STARCH**

INS 1401 Acid-treated starch Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	236	2013

**AGAR**

INS 406 Agar Functional Class: Bulking agent, Carrier, Emulsifier, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**ALGINIC ACID**

INS 400 Alginic acid Functional Class: Bulking agent, Carrier, Emulsifier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013

**ALITAME**

INS 956 Alitame Functional Class: Sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	100 mg/kg	161	2007
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg	161	2007
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	161	2007

Table One

## ALITAME

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.5	Jams, jellies, marmelades	100 mg/kg	161	2007
05.1.2	Cocoa mixes (syrups)	300 mg/kg	161	2007
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg	161	2007
05.1.4	Cocoa and chocolate products	300 mg/kg	161	2007
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg	161	2007
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg	161	2007
05.3	Chewing gum	300 mg/kg	161	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	300 mg/kg	161	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	200 mg/kg	159	2007
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		2007
12.5	Soups and broths	40 mg/kg	161	2007
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	40 mg/kg	161	2007

**ALKALINE TREATED STARCH**

INS 1402 Alkaline treated starch Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013

**ALLURA RED AC**

INS 129 Allura red AC Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300 mg/kg	52 & 161	2009
01.6.2.2	Rind of ripened cheese	100 mg/kg		2009
01.6.4	Processed cheese	100 mg/kg	161	2009
01.6.5	Cheese analogues	100 mg/kg	3	2009
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg	161	2009
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	300 mg/kg	161	2009

Table One

## ALLURA RED AC

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		2009
04.1.2.5	Jams, jellies, marmelades	100 mg/kg	161	2009
04.1.2.7	Candied fruit	300 mg/kg	161	2009
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	300 mg/kg	161 & 182	2009
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 mg/kg	161	2009
04.1.2.11	Fruit fillings for pastries	300 mg/kg	161	2009
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	300 mg/kg	161	2009
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg	161	2009
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg	92 & 161	2009
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg	161	2009
05.1.4	Cocoa and chocolate products	300 mg/kg	183	2009
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg		2009
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		2009
05.3	Chewing gum	300 mg/kg		2009
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	300 mg/kg		2009
06.3	Breakfast cereals, including rolled oats	300 mg/kg		2009
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 mg/kg		2009
07.1.2	Crackers, excluding sweet crackers	300 mg/kg	161	2009
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	300 mg/kg	161	2009
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	300 mg/kg	161	2009
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	25 mg/kg	161	2009
08.4	Edible casings (e.g., sausage casings)	300 mg/kg	16	2009
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	95	2009
09.2.4.1	Cooked fish and fish products	300 mg/kg	95	2009
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		2009
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	22	2009
09.3.3	Salmon substitutes, caviar, and other fish roe products	300 mg/kg		2009
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	300 mg/kg		2009

Table One

## ALLURA RED AC

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
10.1	Fresh eggs	100 mg/kg	4	2009
10.4	Egg-based desserts (e.g., custard)	300 mg/kg	161	2009
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg	161	2009
12.2.2	Seasonings and condiments	300 mg/kg		2009
12.4	Mustards	300 mg/kg		2009
12.5	Soups and broths	300 mg/kg	161	2009
12.6	Sauces and like products	300 mg/kg		2009
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		2009
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		2009
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		2009
13.6	Food supplements	300 mg/kg		2009
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	300 mg/kg	127 & 161	2009
14.2.2	Cider and perry	200 mg/kg		2009
14.2.4	Wines (other than grape)	200 mg/kg		2009
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg		2009
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		2009
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	161	2009
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		2009

**ALUMINIUM AMMONIUM SULFATE**

INS 523 Aluminium ammonium sulfate Functional Class: Acidity regulator, Colour retention agent, Firming agent, Raising agent, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	520 mg/kg	6 & 245	2013
06.4.1	Fresh pastas and noodles and like products	300 mg/kg	6 & 247	2013
07.1.2	Crackers, excluding sweet crackers	100 mg/kg	6 & 246	2013
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	100 mg/kg	6, 244 & 246	2013
07.1.5	Steamed breads and buns	40 mg/kg	6, 246 & 248	2013
07.1.6	Mixes for bread and ordinary bakery wares	40 mg/kg	6, 246 & 249	2013
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	200 mg/kg	6 & 250	2013

## ALUMINIUM SILICATE

**ALUMINIUM SILICATE**

INS 559 Aluminium silicate Functional Class: Anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
05.3	Chewing gum	100 mg/kg	6 & 174	2013

**AMMONIUM ALGINATE**

INS 403 Ammonium alginate Functional Class: Bulking agent, Carrier, Emulsifier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**AMMONIUM CARBONATE**

INS 503(i) Ammonium carbonate Functional Class: Acidity regulator, Raising agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	2013
13.2	Complementary foods for infants and young children	GMP	239 & 248	2013

**AMMONIUM HYDROGEN CARBONATE**

INS 503(ii) Ammonium hydrogen carbonate Functional Class: Acidity regulator, Raising agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
13.2	Complementary foods for infants and young children	GMP	239 & 248	2013

**AMMONIUM HYDROXIDE**

INS 527 Ammonium hydroxide Functional Class: Acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013

**AMMONIUM SALTS OF PHOSPHATIDIC ACID**

INS 442 Ammonium salts of phosphatidic acid Functional Class: Emulsifier

Table One

## AMMONIUM SALTS OF PHOSPHATIDIC ACID

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg	231	2012
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	10000 mg/kg	97	2009
05.1.4	Cocoa and chocolate products	10000 mg/kg		2009
05.1.5	Imitation chocolate, chocolate substitute products	10000 mg/kg		2009

**AMYLASE FROM ASPERGILLUS ORYZAE VAR., ALPHA-**

INS 1100 alpha-Amylase from Aspergillus Functional Class: Flour treatment agent  
oryzae var.

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
06.2	Flours and starches (including soybean powder)	GMP		1999

**ANNATTO EXTRACTS, BIXIN-BASED**

INS 160b(i) Annatto extracts, bixin-based Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.2.1	Butter	20 mg/kg	8	2008

**ASCORBIC ACID, L-**

INS 300 Ascorbic acid, L- Functional Class: Acidity regulator, Antioxidant, Flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.1.1	Untreated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes [(including soybeans)], and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	262	2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
06.4.1	Fresh pastas and noodles and like products	200 mg/kg		2013
06.4.2	Dried pastas and noodles and like products	GMP	256	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013
12.1.2	Salt Substitutes	GMP		2013
13.1.2	Follow-up formulae	50 mg/kg	72 & 242	2013
13.2	Complementary foods for infants and young children	500 mg/kg	242	2013
14.1.2.1	Fruit juice	GMP		2005
14.1.2.2	Vegetable juice	GMP		2013

Table One

## ASCORBIC ACID, L-

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.2.3	Concentrates for fruit juice	GMP	127	2005
14.1.2.4	Concentrates for vegetable juice	GMP		2013
14.1.3.1	Fruit nectar	GMP		2005
14.1.3.2	Vegetable nectar	GMP		2013
14.1.3.3	Concentrates for fruit nectar	GMP	127	2005
14.1.3.4	Concentrates for vegetable nectar	GMP		2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

**ASCORBYL ESTERS**

INS 304 Ascorbyl palmitate Functional Class: Antioxidant

INS 305 Ascorbyl stearate Functional Class: Antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.3.2	Beverage whiteners	80 mg/kg	10	2001
01.5.1	Milk powder and cream powder (plain)	500 mg/kg	10	2001
01.5.2	Milk and cream powder analogues	80 mg/kg	10	2001
01.6.2.1	Ripened cheese, includes rind	500 mg/kg	10 & 112	2001
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	500 mg/kg	2 & 10	2001
02.1.1	Butter oil, anhydrous milkfat, ghee	500 mg/kg	10 & 171	2006
02.1.2	Vegetable oils and fats	500 mg/kg	10	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	500 mg/kg	10	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	500 mg/kg	10	2006
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	500 mg/kg	10	2001
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	80 mg/kg	10	2001
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	10 & 15	2001
04.1.2.2	Dried fruit	80 mg/kg	10	2001
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	500 mg/kg	2 & 10	2001
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	80 mg/kg	10	2001
05.0	Confectionery	500 mg/kg	10, 15 & 114	2001
06.3	Breakfast cereals, including rolled oats	200 mg/kg	10	2001
06.4.3	Pre-cooked pastas and noodles and like products	500 mg/kg	10 & 211	2012
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	500 mg/kg	2 & 10	2001
07.0	Bakery wares	1000 mg/kg	10 & 15	2003

Table One

## ASCORBYL ESTERS

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
08.4	Edible casings (e.g., sausage casings)	5000 mg/kg	10	2001
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	10	2001
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	10	2001
10.4	Egg-based desserts (e.g., custard)	500 mg/kg	2 & 10	2001
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	200 mg/kg	10	2003
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	500 mg/kg	10	2001
12.4	Mustards	500 mg/kg	10	2003
12.5	Soups and broths	200 mg/kg	10	2001
12.6.1	Emulsified sauces and dips (e.g., mayonnaise, salad dressing, onion dip)	500 mg/kg	10 & 15	2001
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	500 mg/kg	10	2005
12.6.3	Mixes for sauces and gravies	200 mg/kg	10	2001
12.6.4	Clear sauces (e.g., fish sauce)	200 mg/kg	10	2001
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	200 mg/kg	10	2001
13.1.1	Infant formulae	10 mg/kg	15, 72 & 187	2009
13.1.2	Follow-up formulae	50 mg/kg	15 & 72	2009
13.1.3	Formulae for special medical purposes for infants	10 mg/kg	10, 15 & 72	2006
13.2	Complementary foods for infants and young children	100 mg/kg	10 & 15	2010
13.4	Dietetic formulae for slimming purposes and weight reduction	500 mg/kg	10	2005
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	500 mg/kg	10	2009
13.6	Food supplements	500 mg/kg	10	2003
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	10 & 15	2001
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	10	2001
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	200 mg/kg	10	2001

**ASPARTAME**

INS 951

Aspartame

Functional Class: Flavour enhancer, Sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	600 mg/kg	161 & 191	2007
01.3.2	Beverage whiteners	6000 mg/kg	161 & 191	2008



Table One

## ASPARTAME

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.4	Cream analogues	1000 mg/kg	161 & 191	2008
01.5.2	Milk and cream powder analogues	2000 mg/kg	161 & 191	2007
01.6.1	Unripened cheese	1000 mg/kg	161 & 191	2008
01.6.5	Cheese analogues	1000 mg/kg	161 & 191	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	1000 mg/kg	161 & 191	2007
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000 mg/kg	161 & 191	2008
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1000 mg/kg	161 & 191	2007
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg	161 & 191	2007
04.1.2.1	Frozen fruit	2000 mg/kg	161 & 191	2008
04.1.2.2	Dried fruit	2000 mg/kg	161 & 191	2008
04.1.2.3	Fruit in vinegar, oil, or brine	300 mg/kg	144 & 191	2007
04.1.2.4	Canned or bottled (pasteurized) fruit	1000 mg/kg	161 & 191	2007
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	161 & 191	2007
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	161 & 191	2007
04.1.2.7	Candied fruit	2000 mg/kg	161 & 191	2007
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1000 mg/kg	161 & 191	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/kg	161 & 191	2007
04.1.2.10	Fermented fruit products	1000 mg/kg	161 & 191	2007
04.1.2.11	Fruit fillings for pastries	1000 mg/kg	161 & 191	2007
04.1.2.12	Cooked fruit	1000 mg/kg	161 & 191	2007
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1000 mg/kg	161 & 191	2008
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1000 mg/kg	161 & 191	2008
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	300 mg/kg	144 & 191	2007
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	1000 mg/kg	161 & 191	2008
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1000 mg/kg	161 & 191	2008
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	1000 mg/kg	161 & 191	2008

Table One

## ASPARTAME

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	2500 mg/kg	161 & 191	2008
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	1000 mg/kg	161 & 191	2008
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	3000 mg/kg	97 & 191	2007
05.1.2	Cocoa mixes (syrups)	1000 mg/kg	161 & 191	2007
05.1.3	Cocoa-based spreads, including fillings	3000 mg/kg	161 & 191	2008
05.1.4	Cocoa and chocolate products	3000 mg/kg	161 & 191	2008
05.1.5	Imitation chocolate, chocolate substitute products	3000 mg/kg	161 & 191	2008
05.2.1	Hard candy	3000 mg/kg	161 & 148	2008
05.2.2	Soft candy	3000 mg/kg	161 & 148	2008
05.2.3	Nougats and marzipans	3000 mg/kg	161 & 191	2008
05.3	Chewing gum	10000 mg/kg	161 & 191	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg	161 & 191	2007
06.3	Breakfast cereals, including rolled oats	1000 mg/kg	161 & 191	2007
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1000 mg/kg	161 & 191	2007
07.1	Bread and ordinary bakery wares	4000 mg/kg	161 & 191	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	1700 mg/kg	165 & 191	2007
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	144 & 191	2007
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	144 & 191	2007
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	144 & 191	2007
10.4	Egg-based desserts (e.g., custard)	1000 mg/kg	161 & 191	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	3000 mg/kg	159 & 191	2007
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP	191	2007
12.2.2	Seasonings and condiments	2000 mg/kg	161 & 191	2008
12.3	Vinegars	3000 mg/kg	161 & 191	2008
12.4	Mustards	350 mg/kg	191	2007
12.5	Soups and broths	1200 mg/kg	161 & 188	2009
12.6	Sauces and like products	350 mg/kg	191	2007
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	350 mg/kg	161 & 166	2007
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1000 mg/kg	191	2007

Table One

## ASPARTAME

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
13.4	Dietetic formulae for slimming purposes and weight reduction	800 mg/kg	191	2007
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	1000 mg/kg	191	2007
13.6	Food supplements	5500 mg/kg	191	2007
14.1.3.1	Fruit nectar	600 mg/kg	191	2005
14.1.3.2	Vegetable nectar	600 mg/kg	161 & 191	2007
14.1.3.3	Concentrates for fruit nectar	600 mg/kg	127 & 191	2005
14.1.3.4	Concentrates for vegetable nectar	600 mg/kg	127 & 161	2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	600 mg/kg	161 & 191	2007
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	600 mg/kg	160 & 161	2007
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	600 mg/kg	191	2007
15.0	Ready-to-eat savouries	500 mg/kg	191	2008

**ASPARTAME-ACESULFAME SALT**

INS 962 Aspartame-acesulfame salt Functional Class: Sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	350 mg/kg	113 & 161	2009
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	350 mg/kg	113 & 161	2009
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	350 mg/kg	113 & 161	2009
04.1.2.4	Canned or bottled (pasteurized) fruit	350 mg/kg	113 & 161	2009
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	119 & 161	2009
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	350 mg/kg	113 & 161	2009
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	350 mg/kg	113 & 161	2009
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	200 mg/kg	113 & 161	2009
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	350 mg/kg	113 & 161	2009
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg	113 & 161	2009
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	1000 mg/kg	77 & 113	2009
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	113	2009

Table One

## ASPARTAME-ACESULFAME SALT

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	113	2009
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		2012
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	500 mg/kg	113	2012
13.4	Dietetic formulae for slimming purposes and weight reduction	450 mg/kg	113	2009
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	450 mg/kg	113	2009
13.6	Food supplements	2000 mg/kg	113	2012
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	350 mg/kg	113	2010

**AZODICARBONAMIDE**

INS 927a Azodicarbonamide Functional Class: Flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
06.2.1	Flours	45 mg/kg		1999

**BEESWAX**

INS 901 Beeswax Functional Class: Carrier, Emulsifier, Glazing agent, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.1.2	Surface-treated fresh fruit	GMP		2003
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	79	2003
05.1.4	Cocoa and chocolate products	GMP	3	2001
05.1.5	Imitation chocolate, chocolate substitute products	GMP	3	2001
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	3	2001
05.3	Chewing gum	GMP		2003
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2003
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP	3	2001
13.6	Food supplements	GMP	3	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	131	2006
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	108	2001
15.0	Ready-to-eat savouries	GMP	3	2001

Table One

## BENZOATES

**BENZOATES**

INS 210	Benzoic acid	Functional Class: Preservative
INS 211	Sodium benzoate	Functional Class: Preservative
INS 212	Potassium benzoate	Functional Class: Preservative
INS 213	Calcium benzoate	Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg	13	2001
02.2.2	Fat spreads, dairy fat spreads and blended spreads	1000 mg/kg	13	2001
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000 mg/kg	13	2001
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1000 mg/kg	13	2001
04.1.2.2	Dried fruit	800 mg/kg	13	2003
04.1.2.3	Fruit in vinegar, oil, or brine	1000 mg/kg	13	2001
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	13	2001
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	13	2001
04.1.2.7	Candied fruit	1000 mg/kg	13	2001
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1000 mg/kg	13	2001
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/kg	13	2001
04.1.2.10	Fermented fruit products	1000 mg/kg	13	2001
04.1.2.11	Fruit fillings for pastries	1000 mg/kg	13	2001
04.1.2.12	Cooked fruit	1000 mg/kg	13	2001
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1000 mg/kg	13	2003
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	2000 mg/kg	13	2001
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1000 mg/kg	13	2001
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	3000 mg/kg	13	2001
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	1000 mg/kg	13	2001
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	1000 mg/kg	13	2001

Table One

## BENZOATES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
05.1.3	Cocoa-based spreads, including fillings	1500 mg/kg	13	2003
05.1.5	Imitation chocolate, chocolate substitute products	1500 mg/kg	13	2003
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	1500 mg/kg	13	2003
05.3	Chewing gum	1500 mg/kg	13	2005
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1500 mg/kg	13	2003
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg/kg	13	2004
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1000 mg/kg	13	2003
07.0	Bakery wares	1000 mg/kg	13	2004
08.2.1.2	Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts	1000 mg/kg	3 & 13	2005
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	1000 mg/kg	3 & 13	2005
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	2000 mg/kg	13 & 82	2003
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	13 & 121	2004
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	13 & 120	2003
10.2.1	Liquid egg products	5000 mg/kg	13	2003
10.4	Egg-based desserts (e.g., custard)	1000 mg/kg	13	2003
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg/kg	13	2003
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	2000 mg/kg	13	2003
12.2.2	Seasonings and condiments	1000 mg/kg	13	2003
12.3	Vinegars	1000 mg/kg	13	2003
12.4	Mustards	1000 mg/kg	13	2003
12.5	Soups and broths	500 mg/kg	13	2001
12.6	Sauces and like products	1000 mg/kg	13	2003
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1500 mg/kg	13	2003
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1500 mg/kg	13	2003
13.4	Dietetic formulae for slimming purposes and weight reduction	1500 mg/kg	13	2003
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	2000 mg/kg	13	2003
13.6	Food supplements	2000 mg/kg	13	2003
14.1.2.1	Fruit juice	1000 mg/kg	13, 91 & 122	2004
14.1.2.3	Concentrates for fruit juice	1000 mg/kg	13, 91, 122 & 127	2004
14.1.3.1	Fruit nectar	1000 mg/kg	13, 91 & 122	2004

Table One

**BENZOATES**

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.3.3	Concentrates for fruit nectar	1000 mg/kg	13, 91, 122 & 127	2004
14.1.3.4	Concentrates for vegetable nectar	600 mg/kg	13	2004
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	600 mg/kg	13, 123 & 301	2004
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000 mg/kg	13	2004
14.2.2	Cider and perry	1000 mg/kg	13 & 124	2004
14.2.4	Wines (other than grape)	1000 mg/kg	13	2003
14.2.5	Mead	1000 mg/kg	13	2004
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	1000 mg/kg	13	2003
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg	13	2004

**BENZOYL PEROXIDE**

INS 928 Benzoyl peroxide Functional Class: Bleaching agent, Flour treatment agent, Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.8.1	Liquid whey and whey products, excluding whey cheeses	100 mg/kg	74	2007
01.8.2	Dried whey and whey products, excluding whey cheeses	100 mg/kg	147	2005
06.2.1	Flours	75 mg/kg		2007

**BLEACHED STARCH**

INS 1403 Bleached starch Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	236	2013

**BRILLIANT BLUE FCF**

INS 133 Brilliant blue FCF Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg/kg	52	2008
01.6.2.2	Rind of ripened cheese	100 mg/kg		2005

Table One

## BRILLIANT BLUE FCF

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.6.5	Cheese analogues	100 mg/kg	3	2009
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		2005
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	100 mg/kg		2005
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		2005
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		2005
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	161	2009
04.1.2.5	Jams, jellies, marmelades	100 mg/kg	161	2009
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	100 mg/kg	161	2009
04.1.2.7	Candied fruit	100 mg/kg	161	2009
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	161 & 182	2009
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		2005
04.1.2.11	Fruit fillings for pastries	250 mg/kg		2005
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	500 mg/kg	161	2009
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg	161	2009
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	100 mg/kg	92 & 161	2009
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	100 mg/kg	92 & 161	2009
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg	161	2009
05.1.4	Cocoa and chocolate products	100 mg/kg	183	2009
05.1.5	Imitation chocolate, chocolate substitute products	100 mg/kg		2009
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		2005
05.3	Chewing gum	300 mg/kg		2005
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		2005
06.3	Breakfast cereals, including rolled oats	200 mg/kg		2005
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		2005
07.1	Bread and ordinary bakery wares	100 mg/kg	161	2009
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg	161	2009
08.0	Meat and meat products, including poultry and game	100 mg/kg	4 & 16	2009



Table One

## BRILLIANT BLUE FCF

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	2008
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	4 & 16	2005
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	95	2005
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	2005
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	2005
09.2.4.1	Cooked fish and fish products	100 mg/kg	95	2009
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	100 mg/kg		2009
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	2005
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	22	2009
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	16	2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	16	2005
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		2005
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		2005
10.1	Fresh eggs	GMP	4	2005
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		2005
12.2.2	Seasonings and condiments	100 mg/kg		2009
12.4	Mustards	100 mg/kg		2009
12.5	Soups and broths	50 mg/kg		2009
12.6	Sauces and like products	100 mg/kg		2009
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		2005
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		2005
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		2005
13.6	Food supplements	300 mg/kg		2005
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		2005
14.2.2	Cider and perry	200 mg/kg		2005
14.2.4	Wines (other than grape)	200 mg/kg		2005
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		2005
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		2005
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		2005

**BUTYLATED HYDROXYANISOLE**

INS 320 Butylated hydroxyanisole (BHA) Functional Class: Antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.3.2	Beverage whiteners	100 mg/kg	15 & 195	2007
01.5.1	Milk powder and cream powder (plain)	100 mg/kg	15 & 196	2006
02.1.1	Butter oil, anhydrous milkfat, ghee	175 mg/kg	15, 133 & 171	2006
02.1.2	Vegetable oils and fats	200 mg/kg	15 & 130	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg	15 & 130	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	200 mg/kg	15 & 130	2005
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg	15 & 130	2006
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	15 & 130	2006
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	15 & 195	2006
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	200 mg/kg	15, 76 & 196	2005
05.1.4	Cocoa and chocolate products	200 mg/kg	15, 130 & 141	2006
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	15 & 130	2007
05.3	Chewing gum	400 mg/kg	130	2006
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	15 & 130	2007
06.3	Breakfast cereals, including rolled oats	200 mg/kg	15 & 196	2005
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg	15 & 130	2006
07.0	Bakery wares	200 mg/kg	15 & 180	2007
08.2	Processed meat, poultry, and game products in whole pieces or cuts	200 mg/kg	15 & 130	2005
08.3	Processed comminuted meat, poultry, and game products	200 mg/kg	15 & 130	2005
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 180	2006
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 180	2006
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 196	2006
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 180	2006
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 180	2006
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	15 & 130	2005
12.5	Soups and broths	200 mg/kg	15 & 130	2006
12.6	Sauces and like products	200 mg/kg	15 & 130	2005

Table One

## BUTYLATED HYDROXYANISOLE

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
12.8	Yeast and like products	200 mg/kg	15	2006
13.6	Food supplements	400 mg/kg	15 & 196	2006
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	15 & 130	2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	200 mg/kg	15 & 130	2005

**BUTYLATED HYDROXYTOLUENE**

INS 321 Butylated hydroxytoluene (BHT) Functional Class: Antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.3.2	Beverage whiteners	100 mg/kg	15 & 195	2007
01.5.1	Milk powder and cream powder (plain)	200 mg/kg	15 & 196	2006
02.1.1	Butter oil, anhydrous milkfat, ghee	75 mg/kg	15, 133 & 171	2006
02.1.2	Vegetable oils and fats	200 mg/kg	15 & 130	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg	15 & 130	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	200 mg/kg	15 & 130	2005
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg	15 & 130	2006
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	15 & 130	2006
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	15 & 195	2006
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	200 mg/kg	15, 76 & 196	2005
05.1.4	Cocoa and chocolate products	200 mg/kg	15, 130 & 141	2006
05.1.5	Imitation chocolate, chocolate substitute products	200 mg/kg	15 & 197	2006
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	15 & 130	2007
05.3	Chewing gum	400 mg/kg	130	2006
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	15 & 130	2007
06.3	Breakfast cereals, including rolled oats	100 mg/kg	15 & 196	2006
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg	15 & 130	2006
07.0	Bakery wares	200 mg/kg	15 & 180	2007
08.2	Processed meat, poultry, and game products in whole pieces or cuts	100 mg/kg	15, 130 & 167	2007
08.3	Processed comminuted meat, poultry, and game products	100 mg/kg	15, 130 & 162	2007
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 180	2006
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 180	2006

Table One

## BUTYLATED HYDROXYTOLUENE

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 196	2006
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 180	2006
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 180	2006
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	15 & 130	2006
12.5	Soups and broths	100 mg/kg	15 & 130	2006
12.6	Sauces and like products	100 mg/kg	15 & 130	2006
13.6	Food supplements	400 mg/kg	15 & 196	2006
15.0	Ready-to-eat savouries	200 mg/kg	15 & 130	2006

**CALCIUM ACETATE**

INS 263 Calcium acetate Functional Class: Acidity regulator, Preservative, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP	258	2013
13.2	Complementary foods for infants and young children	GMP	239	2013

**CALCIUM ALGINATE**

INS 404 Calcium alginate Functional Class: Antifoaming agent, Bulking agent, Carrier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**CALCIUM ALUMINIUM SILICATE**

INS 556 Calcium aluminium silicate Functional Class: Anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.5.1	Milk powder and cream powder (plain)	265 mg/kg	6 & 259	2013
01.5.2	Milk and cream powder analogues	570 mg/kg	6 & 259	2013
05.3	Chewing gum	100 mg/kg	6 & 174	2013

Table One

## CALCIUM ASCORBATE

**CALCIUM ASCORBATE**

INS 302 Calcium ascorbate Functional Class: Antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.2.1	Fruit juice	GMP		2005
14.1.2.3	Concentrates for fruit juice	GMP	127	2005
14.1.3.1	Fruit nectar	GMP		2005
14.1.3.3	Concentrates for fruit nectar	GMP	127	2005

**CALCIUM CARBONATE**

INS 170(i) Calcium carbonate Functional Class: Acidity regulator, Anticaking agent, Colour, Firming agent, Flour treatment agent, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		2006
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
06.4.1	Fresh pastas and noodles and like products	GMP		2013
06.4.2	Dried pastas and noodles and like products	GMP	256	2013
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	95	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	266 & 267	2013
12.1.1	Salt	GMP		2006
12.1.2	Salt Substitutes	GMP		2013
13.2	Complementary foods for infants and young children	GMP		2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

Table One

## CALCIUM CHLORIDE

**CALCIUM CHLORIDE**

INS 509 Calcium chloride Functional Class: Firming agent, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013

**CALCIUM HYDROXIDE**

INS 526 Calcium hydroxide Functional Class: Acidity regulator, Firming agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
02.2.1	Butter	GMP		2008
13.1.1	Infant formulae	2000 mg/kg	55 & 72	2013
13.1.2	Follow-up formulae	GMP	72	2013
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	2013
13.2	Complementary foods for infants and young children	GMP	239	2013

**CALCIUM LACTATE**

INS 327 Calcium lactate Functional Class: Acidity regulator, Firming agent, Flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP		2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	10000 mg/kg	58	2013
12.1.2	Salt Substitutes	GMP		2013
13.2	Complementary foods for infants and young children	GMP	83 & 239	2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

## Table One

## CALCIUM OXIDE

**CALCIUM OXIDE**

INS 529 Calcium oxide Functional Class: Acidity regulator, Flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013

**CALCIUM PROPIONATE**

INS 282 Calcium propionate Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.6.6	Whey protein cheese	3000 mg/kg	70	2006

**CALCIUM SILICATE**

INS 552 Calcium silicate Functional Class: Anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		2006
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	56	2006
12.1.1	Salt	GMP		2006

**CALCIUM SULFATE**

INS 516 Calcium sulfate Functional Class: Acidity regulator, Firming agent, Flour treatment agent, Sequestrant, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**CANDELILLA WAX**

INS 902 Candelilla wax Functional Class: Carrier, Emulsifier, Glazing agent, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.1.2	Surface-treated fresh fruit	GMP		2003
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	79	2003
05.1.4	Cocoa and chocolate products	GMP	3	2001
05.1.5	Imitation chocolate, chocolate substitute products	GMP	3	2001
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	3	2001

Table One

## CANDELILLA WAX

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
05.3	Chewing gum	GMP		2003
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2003
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP	3	2001
13.6	Food supplements	GMP	3	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	131	2006
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	108	2001
15.0	Ready-to-eat savouries	GMP	3	2001

**CANTHAXANTHIN**

INS 161g

Canthaxanthin

Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	15 mg/kg	52 & 170	2011
01.6.1	Unripened cheese	15 mg/kg	201	2011
01.6.2	Ripened cheese	15 mg/kg	201	2011
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	15 mg/kg		2011
01.6.5	Cheese analogues	15 mg/kg		2011
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	15 mg/kg	170	2011
02.2.2	Fat spreads, dairy fat spreads and blended spreads	15 mg/kg	214 & 215	2011
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	15 mg/kg		2011
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	15 mg/kg		2011
04.1.2.5	Jams, jellies, marmelades	200 mg/kg	5	2011
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	15 mg/kg		2011
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	15 mg/kg		2011
04.1.2.11	Fruit fillings for pastries	15 mg/kg		2011
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	10 mg/kg		2011
06.4.2	Dried pastas and noodles and like products	15 mg/kg	211	2011
06.4.3	Pre-cooked pastas and noodles and like products	15 mg/kg	153	2011
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	15 mg/kg		2011
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg	4, 16 & 118	2011



Table One

## CANTHAXANTHIN

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	35 mg/kg	95	2011
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	15 mg/kg	22	2011
09.3.3	Salmon substitutes, caviar, and other fish roe products	15 mg/kg		2011
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	15 mg/kg		2011
10.1	Fresh eggs	GMP	4	2005
10.4	Egg-based desserts (e.g., custard)	15 mg/kg		2011
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	15 mg/kg		2011
12.2.2	Seasonings and condiments	20 mg/kg		2011
12.5.2	Mixes for soups and broths	30 mg/kg	127	2011
12.6	Sauces and like products	30 mg/kg		2011
14.1.4.1	Carbonated water-based flavoured drinks	5 mg/kg		2011
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	5 mg/kg		2011
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	5 mg/kg	127	2011
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	5 mg/kg		2011
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	5 mg/kg		2011
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	45 mg/kg		2011

**CARAMEL III - AMMONIA CARAMEL**

INS 150c Caramel III - ammonia caramel Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	2000 mg/kg	52	2009
01.3.2	Beverage whiteners	1000 mg/kg		2009
01.4.4	Cream analogues	5000 mg/kg		2010
01.5.2	Milk and cream powder analogues	5000 mg/kg		2010
01.6.1	Unripened cheese	15000 mg/kg	201	2012
01.6.2.2	Rind of ripened cheese	50000 mg/kg		2010
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	50000 mg/kg		2010
01.6.5	Cheese analogues	50000 mg/kg		2010
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/kg		1999
02.2.2	Fat spreads, dairy fat spreads and blended spreads	500 mg/kg		2010

Table One

## CARAMEL III - AMMONIA CARMEL

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	20000 mg/kg		2010
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	20000 mg/kg		2010
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg		1999
04.1.2.3	Fruit in vinegar, oil, or brine	200 mg/kg		2010
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		2010
04.1.2.5	Jams, jellies, marmelades	200 mg/kg		2010
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		1999
04.1.2.7	Candied fruit	200 mg/kg		2010
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	7500 mg/kg	182	2008
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	200 mg/kg		2010
04.1.2.11	Fruit fillings for pastries	7500 mg/kg		1999
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	50000 mg/kg	76 & 161	2010
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	500 mg/kg		1999
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	50000 mg/kg	161	2010
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	50000 mg/kg		2010
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	50000 mg/kg	161	2010
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	50000 mg/kg	161	2010
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	50000 mg/kg	161	2010
05.1.2	Cocoa mixes (syrups)	50000 mg/kg		2010
05.1.3	Cocoa-based spreads, including fillings	50000 mg/kg		2012
05.1.4	Cocoa and chocolate products	50000 mg/kg	183	2010
05.1.5	Imitation chocolate, chocolate substitute products	50000 mg/kg		2009
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	50000 mg/kg		2012
05.3	Chewing gum	20000 mg/kg		1999
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	50000 mg/kg		2012

Table One

## CARMEL III - AMMONIA CARMEL

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
06.3	Breakfast cereals, including rolled oats	50000 mg/kg	189	2009
06.4.3	Pre-cooked pastas and noodles and like products	50000 mg/kg	153 & 173	2010
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	50000 mg/kg		2009
06.6	Batters (e.g., for breading or batters for fish or poultry)	50000 mg/kg		2009
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	50000 mg/kg		2009
06.8.1	Soybean-based beverages	1500 mg/kg		2010
06.8.8	Other soybean protein products	20000 mg/kg		2010
07.1.2	Crackers, excluding sweet crackers	50000 mg/kg	161	2009
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	50000 mg/kg	161	2009
07.1.4	Bread-type products, including bread stuffing and bread crumbs	50000 mg/kg	161	2009
07.1.5	Steamed breads and buns	50000 mg/kg	161	2009
07.1.6	Mixes for bread and ordinary bakery wares	50000 mg/kg	161	2010
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	50000 mg/kg	161	2009
08.0	Meat and meat products, including poultry and game	GMP	3, 4 & 16	2009
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg	4 & 16	2010
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg		2009
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg	95	2010
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	50	1999
10.1	Fresh eggs	20000 mg/kg	4	2010
10.3	Preserved eggs, including alkaline, salted, and canned eggs	20000 mg/kg	4	2010
10.4	Egg-based desserts (e.g., custard)	20000 mg/kg		2010
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	50000 mg/kg	100	2010
12.2.2	Seasonings and condiments	50000 mg/kg		2010
12.3	Vinegars	1000 mg/kg	78	2010
12.4	Mustards	50000 mg/kg		2010
12.5	Soups and broths	25000 mg/kg		2010
12.6	Sauces and like products	50000 mg/kg		2010
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	50000 mg/kg	89	2012
12.9.2.1	Fermented soybean sauce	20000 mg/kg	207	2011
12.9.2.2	Non-fermented soybean sauce	1500 mg/kg		2011
12.9.2.3	Other soybean sauces	20000 mg/kg		2011

Table One

## CARMEL III - AMMONIA CARMEL

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	20000 mg/kg		2010
13.4	Dietetic formulae for slimming purposes and weight reduction	20000 mg/kg		2010
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	20000 mg/kg		2010
13.6	Food supplements	20000 mg/kg		2010
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 mg/kg	9	2010
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg	160 & 7	2010
14.2.1	Beer and malt beverages	50000 mg/kg		2010
14.2.2	Cider and perry	1000 mg/kg		2010
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	50000 mg/kg		2010
14.2.4	Wines (other than grape)	1000 mg/kg		2010
14.2.5	Mead	1000 mg/kg		2010
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	50000 mg/kg		2010
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	50000 mg/kg		2010
15.0	Ready-to-eat savouries	10000 mg/kg		2009

## CARMEL IV - SULFITE AMMONIA CARMEL

INS 150d Caramel IV - sulfite ammonia Functional Class: Colour caramel

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	2000 mg/kg	52	2011
01.2.1	Fermented milks (plain)	150 mg/kg	12	1999
01.2.2	Renneted milk (plain)	GMP		1999
01.3.2	Beverage whiteners	1000 mg/kg		2009
01.4.4	Cream analogues	5000 mg/kg		2009
01.5.2	Milk and cream powder analogues	5000 mg/kg		2009
01.6.1	Unripened cheese	50000 mg/kg	201	2011
01.6.2.1	Ripened cheese, includes rind	50000 mg/kg	201	2011
01.6.2.2	Rind of ripened cheese	50000 mg/kg		2011
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	50000 mg/kg	72	2011
01.6.5	Cheese analogues	50000 mg/kg	201	2011
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/kg		1999

Table One

## CAMEL IV - SULFITE AMMONIA CAMEL

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.2.2	Fat spreads, dairy fat spreads and blended spreads	500 mg/kg	214	2011
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	20000 mg/kg		2009
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg		1999
04.1.2.3	Fruit in vinegar, oil, or brine	7500 mg/kg		2011
04.1.2.4	Canned or bottled (pasteurized) fruit	7500 mg/kg		2011
04.1.2.5	Jams, jellies, marmelades	1500 mg/kg		1999
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		1999
04.1.2.7	Candied fruit	7500 mg/kg		2011
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	7500 mg/kg	182	2008
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	7500 mg/kg		2011
04.1.2.11	Fruit fillings for pastries	7500 mg/kg		1999
04.2.2	Processed vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	50000 mg/kg	92 & 161	2009
05.1.2	Cocoa mixes (syrups)	50000 mg/kg		2012
05.1.3	Cocoa-based spreads, including fillings	50000 mg/kg		2012
05.1.4	Cocoa and chocolate products	50000 mg/kg	183	2012
05.1.5	Imitation chocolate, chocolate substitute products	50000 mg/kg		2012
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	50000 mg/kg		2012
05.3	Chewing gum	20000 mg/kg		1999
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	50000 mg/kg		2012
06.3	Breakfast cereals, including rolled oats	2500 mg/kg		1999
06.4.2	Dried pastas and noodles and like products	50000 mg/kg	211	2011
06.4.3	Pre-cooked pastas and noodles and like products	50000 mg/kg	153	2011
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	2500 mg/kg		2011
06.6	Batters (e.g., for breading or batters for fish or poultry)	2500 mg/kg		2011
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	2500 mg/kg		2011
06.8.8	Other soybean protein products	20000 mg/kg		2010
07.1.2	Crackers, excluding sweet crackers	50000 mg/kg	161	2010
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	50000 mg/kg	161	2010
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	1200 mg/kg		2011
08.0	Meat and meat products, including poultry and game	GMP	3, 4 & 16	2009
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg	95	2009

Table One

## CAMEL IV - SULFITE AMMONIA CAMEL

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg	95	2009
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg	95	2009
10.1	Fresh eggs	20000 mg/kg	4	2010
10.2	Egg products	20000 mg/kg	161	2009
10.3	Preserved eggs, including alkaline, salted, and canned eggs	20000 mg/kg		2009
10.4	Egg-based desserts (e.g., custard)	20000 mg/kg		2009
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	1200 mg/kg	213	2011
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	10000 mg/kg		2010
12.3	Vinegars	50000 mg/kg		2011
12.4	Mustards	50000 mg/kg		2011
12.5	Soups and broths	25000 mg/kg	212	2011
12.6	Sauces and like products	30000 mg/kg		2011
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	50000 mg/kg		2011
12.9.2.1	Fermented soybean sauce	60000 mg/kg		2011
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	20000 mg/kg		2009
13.4	Dietetic formulae for slimming purposes and weight reduction	20000 mg/kg		2009
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	20000 mg/kg		2009
13.6	Food supplements	20000 mg/kg		2009
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50000 mg/kg		2009
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg	7 & 127	2011
14.2.1	Beer and malt beverages	50000 mg/kg		2011
14.2.2	Cider and perry	1000 mg/kg		2009
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	50000 mg/kg		2011
14.2.4	Wines (other than grape)	1000 mg/kg		2009
14.2.5	Mead	1000 mg/kg		2009
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	50000 mg/kg		2011
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	50000 mg/kg		2011
15.0	Ready-to-eat savouries	10000 mg/kg		2009

## CARBON DIOXIDE

**CARBON DIOXIDE**

INS 290 Carbon dioxide

Functional Class: Carbonating agent, Packaging gas, Preservative, Propellant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.2.1	Fruit juice	GMP	69	2005
14.1.2.3	Concentrates for fruit juice	GMP	69 & 127	2005
14.1.3.1	Fruit nectar	GMP	69	2005
14.1.3.3	Concentrates for fruit nectar	GMP	69 & 127	2005

**CARMINES**

INS 120 Carmines

Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg/kg	52	2008
01.6.2.1	Ripened cheese, includes rind	125 mg/kg		2005
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	100 mg/kg		2005
01.6.5	Cheese analogues	100 mg/kg	3 & 178	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		2005
02.2.2	Fat spreads, dairy fat spreads and blended spreads	500 mg/kg	161 & 178	2008
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	500 mg/kg	161 & 178	2008
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		2005
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		2005
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	4 & 16	2008
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		2005
04.1.2.5	Jams, jellies, marmelades	200 mg/kg		2005
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		2005
04.1.2.7	Candied fruit	200 mg/kg		2005
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg	182	2008
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		2005
04.1.2.11	Fruit fillings for pastries	300 mg/kg		2005
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	4 & 16	2008
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	500 mg/kg	161 & 178	2008

Table One

## CARMINES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	100 mg/kg		2005
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg	92	2008
05.1.2	Cocoa mixes (syrups)	300 mg/kg		2005
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg		2005
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		2005
05.3	Chewing gum	500 mg/kg	178	2008
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		2005
06.3	Breakfast cereals, including rolled oats	200 mg/kg		2005
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg	153 & 178	2008
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		2005
06.6	Batters (e.g., for breading or batters for fish or poultry)	500 mg/kg		2005
06.8.1	Soybean-based beverages	100 mg/kg	178	2010
07.1.2	Crackers, excluding sweet crackers	200 mg/kg	178	2008
07.1.4	Bread-type products, including bread stuffing and bread crumbs	500 mg/kg	178	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		2005
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	500 mg/kg	4 & 16	2008
08.1.2	Fresh meat, poultry, and game, comminuted	100 mg/kg	4, 16 & 117	2008
08.2	Processed meat, poultry, and game products in whole pieces or cuts	500 mg/kg	16	2005
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	200 mg/kg	118	2005
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg		2005
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg		2005
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	100 mg/kg		2005
08.3.3	Frozen processed comminuted meat, poultry, and game products	500 mg/kg	16	2005
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	16	2005
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	2008
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	4 & 16	2008
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	95 & 178	2008
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16, 95 & 178	2008



Table One

## CARMINES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	2005
09.2.4.1	Cooked fish and fish products	500 mg/kg		2005
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		2005
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16, 95 & 178	2008
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	22	2005
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	16	2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	16	2005
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		2005
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	100 mg/kg		2005
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	2005
10.1	Fresh eggs	GMP	4	2005
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		2005
12.2.2	Seasonings and condiments	500 mg/kg		2005
12.4	Mustards	300 mg/kg		2005
12.5	Soups and broths	50 mg/kg		2005
12.6	Sauces and like products	500 mg/kg		2005
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		2005
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		2005
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		2005
13.6	Food supplements	300 mg/kg		2005
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg	178	2008
14.2.1	Beer and malt beverages	100 mg/kg		2005
14.2.2	Cider and perry	200 mg/kg		2005
14.2.4	Wines (other than grape)	200 mg/kg		2005
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		2005
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg	178	2008
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		2005
15.3	Snacks - fish based	200 mg/kg	178	2009

Table One

## CARNAUBA WAX

**CARNAUBA WAX**

INS 903 Carnauba wax

Functional Class: Acidity regulator, Anticaking agent, Bulking agent, Carrier, Glazing agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.1.2	Surface-treated fresh fruit	400 mg/kg		2004
04.1.2	Processed fruit	400 mg/kg		2004
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	400 mg/kg	79	2004
05.1.4	Cocoa and chocolate products	5000 mg/kg	3	2006
05.1.5	Imitation chocolate, chocolate substitute products	5000 mg/kg	3	2006
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/kg	3	2006
05.3	Chewing gum	1200 mg/kg	3	2003
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	4000 mg/kg		2001
07.0	Bakery wares	GMP	3	2001
13.6	Food supplements	5000 mg/kg	3	2006
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	131	2003
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	200 mg/kg	108	2006
15.0	Ready-to-eat savouries	200 mg/kg	3	2006

**CAROB BEAN GUM**

INS 410 Carob bean gum

Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**CAROTENES, BETA-, VEGETABLE**

INS 160a(ii) beta-Carotenes, vegetable

Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	1000 mg/kg	52	2008
01.3.2	Beverage whiteners	1000 mg/kg		2005

Table One

## CAROTENES, BETA-, VEGETABLE

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.4	Cream analogues	20 mg/kg		2011
01.5.2	Milk and cream powder analogues	1000 mg/kg		2005
01.6.1	Unripened cheese	600 mg/kg		2005
01.6.2.1	Ripened cheese, includes rind	600 mg/kg		2005
01.6.2.2	Rind of ripened cheese	1000 mg/kg		2005
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	1000 mg/kg		2005
01.6.4	Processed cheese	1000 mg/kg		2005
01.6.5	Cheese analogues	1000 mg/kg	3	2005
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	1000 mg/kg		2005
02.1.2	Vegetable oils and fats	1000 mg/kg		2006
02.1.3	Lard, tallow, fish oil, and other animal fats	1000 mg/kg		2006
02.2.1	Butter	600 mg/kg		2008
02.2.2	Fat spreads, dairy fat spreads and blended spreads	1000 mg/kg		2005
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000 mg/kg		2005
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1000 mg/kg		2005
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg		2005
04.1.2.3	Fruit in vinegar, oil, or brine	1000 mg/kg		2005
04.1.2.4	Canned or bottled (pasteurized) fruit	1000 mg/kg		2005
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg		2005
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		2005
04.1.2.7	Candied fruit	1000 mg/kg		2005
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	182	2011
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/kg		2005
04.1.2.10	Fermented fruit products	200 mg/kg		2005
04.1.2.11	Fruit fillings for pastries	100 mg/kg		2009
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	200 mg/kg		2011
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	1320 mg/kg		2011
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		2011
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1000 mg/kg		2005

Table One

## CAROTENES, BETA-, VEGETABLE

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	1000 mg/kg	92	2008
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	1000 mg/kg		2005
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg		2012
05.1.4	Cocoa and chocolate products	100 mg/kg	183	2012
05.1.5	Imitation chocolate, chocolate substitute products	100 mg/kg		2010
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	500 mg/kg		2005
05.3	Chewing gum	500 mg/kg		2005
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	20000 mg/kg		2005
06.3	Breakfast cereals, including rolled oats	400 mg/kg		2005
06.4.2	Dried pastas and noodles and like products	1000 mg/kg	211	2011
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg/kg	153	2010
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1000 mg/kg		2005
06.6	Batters (e.g., for breading or batters for fish or poultry)	1000 mg/kg		2005
07.1.2	Crackers, excluding sweet crackers	1000 mg/kg		2005
07.1.4	Bread-type products, including bread stuffing and bread crumbs	1000 mg/kg		2005
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	1000 mg/kg		2005
08.1.2	Fresh meat, poultry, and game, comminuted	20 mg/kg	4 & 16	2011
08.2	Processed meat, poultry, and game products in whole pieces or cuts	5000 mg/kg	16	2005
08.3.1	Non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	118	2005
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	20 mg/kg		2005
08.3.3	Frozen processed comminuted meat, poultry, and game products	5000 mg/kg	16	2005
08.4	Edible casings (e.g., sausage casings)	5000 mg/kg		2005
09.1.1	Fresh fish	100 mg/kg	4, 16 & 50	2010
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	16	2005
09.2.4.1	Cooked fish and fish products	1000 mg/kg	95	2009
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	1000 mg/kg		2005
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	16	2005
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg		2005

Table One

## CAROTENES, BETA-, VEGETABLE

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	1000 mg/kg	16	2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	1000 mg/kg	16	2005
09.3.3	Salmon substitutes, caviar, and other fish roe products	1000 mg/kg		2005
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	1000 mg/kg	16	2005
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		2005
10.1	Fresh eggs	1000 mg/kg	4	2005
10.2	Egg products	1000 mg/kg		2005
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		2005
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	50 mg/kg		2005
12.2.2	Seasonings and condiments	500 mg/kg		2011
12.4	Mustards	1000 mg/kg		2005
12.5	Soups and broths	1000 mg/kg		2005
12.6.1	Emulsified sauces and dips (e.g., mayonnaise, salad dressing, onion dip)	2000 mg/kg		2005
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	2000 mg/kg		2005
12.6.3	Mixes for sauces and gravies	2000 mg/kg		2005
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1000 mg/kg		2005
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	600 mg/kg		2005
13.4	Dietetic formulae for slimming purposes and weight reduction	600 mg/kg		2005
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	600 mg/kg		2005
13.6	Food supplements	600 mg/kg		2005
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	2000 mg/kg		2005
14.2.1	Beer and malt beverages	600 mg/kg		2005
14.2.2	Cider and perry	600 mg/kg		2005
14.2.4	Wines (other than grape)	600 mg/kg		2005
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	600 mg/kg		2005
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	600 mg/kg		2005
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	100 mg/kg		2009
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	20000 mg/kg	3	2011
15.3	Snacks - fish based	100 mg/kg		2010

Table One

## CAROTENES, BETA-, VEGETABLE

**CAROTENOIDS**

INS 160a(i)	beta-Carotenes, synthetic	Functional Class: Colour
INS 160a(iii)	beta-Carotenes, Blakeslea trispora	Functional Class: Colour
INS 160e	Carotenal, beta-apo-8'-	Functional Class: Colour
INS 160f	Carotenoic acid, ethyl ester, beta-apo-8'-	Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg/kg	52	2009
01.3.2	Beverage whiteners	100 mg/kg		2011
01.4.4	Cream analogues	20 mg/kg		2011
01.5.2	Milk and cream powder analogues	100 mg/kg	209	2011
01.6.1	Unripened cheese	100 mg/kg		2011
01.6.2.1	Ripened cheese, includes rind	100 mg/kg		2009
01.6.2.2	Rind of ripened cheese	500 mg/kg		2009
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	100 mg/kg		2009
01.6.4	Processed cheese	100 mg/kg		2009
01.6.5	Cheese analogues	200 mg/kg		2009
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg		2009
02.1.2	Vegetable oils and fats	25 mg/kg	232	2012
02.1.3	Lard, tallow, fish oil, and other animal fats	25 mg/kg		2011
02.2.1	Butter	25 mg/kg	146	2008
02.2.2	Fat spreads, dairy fat spreads and blended spreads	35 mg/kg		2010
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg		2009
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		2009
03.0	Edible ices, including sherbet and sorbet	200 mg/kg		2009
04.1.2.3	Fruit in vinegar, oil, or brine	1000 mg/kg		2009
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	161	2010
04.1.2.5	Jams, jellies, marmelades	200 mg/kg		2009
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		2009
04.1.2.7	Candied fruit	200 mg/kg		2009
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	161 & 182	2009
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		2009

Table One

## CAROTENOIDS

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.10	Fermented fruit products	500 mg/kg		2009
04.1.2.11	Fruit fillings for pastries	100 mg/kg		2009
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	4, 16 & 161	2010
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1000 mg/kg	161	2009
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	50 mg/kg	161	2010
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	50 mg/kg	161	2010
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	50 mg/kg	161	2010
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	50 mg/kg	92 & 161	2010
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	50 mg/kg		2009
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg	161	2010
05.1.4	Cocoa and chocolate products	100 mg/kg	183	2010
05.1.5	Imitation chocolate, chocolate substitute products	100 mg/kg		2009
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	100 mg/kg		2009
05.3	Chewing gum	100 mg/kg		2009
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	100 mg/kg		2009
06.3	Breakfast cereals, including rolled oats	200 mg/kg		2009
06.4.3	Pre-cooked pastas and noodles and like products	1200 mg/kg	153	2009
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		2009
06.6	Batters (e.g., for breading or batters for fish or poultry)	500 mg/kg		2009
07.1.2	Crackers, excluding sweet crackers	1000 mg/kg		2009
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	100 mg/kg		2011
07.1.4	Bread-type products, including bread stuffing and bread crumbs	200 mg/kg	116	2011
07.1.5	Steamed breads and buns	100 mg/kg	216	2011
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	100 mg/kg		2009
08.1.2	Fresh meat, poultry, and game, comminuted	100 mg/kg	4 & 16	2011

Table One

## CAROTENOIDS

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg	16	2010
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	16	2010
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	16	2010
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	20 mg/kg	16	2010
08.4	Edible casings (e.g., sausage casings)	100 mg/kg		2011
09.1.1	Fresh fish	300 mg/kg	4	2011
09.1.2	Fresh mollusks, crustaceans, and echinoderms	100 mg/kg	4 & 16	2011
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	95	2011
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	95	2011
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	95	2009
10.1	Fresh eggs	1000 mg/kg	4	2011
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		2009
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	50 mg/kg	217	2011
12.2.2	Seasonings and condiments	500 mg/kg		2009
12.4	Mustards	300 mg/kg		2009
12.5	Soups and broths	300 mg/kg		2009
12.6	Sauces and like products	500 mg/kg		2009
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	50 mg/kg		2009
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		2009
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		2009
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		2009
13.6	Food supplements	300 mg/kg		2009
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		2009
14.2.2	Cider and perry	200 mg/kg		2009
14.2.4	Wines (other than grape)	200 mg/kg		2009
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		2009
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		2009
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	100 mg/kg		2010
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		2009



## CARRAGEENAN

**CARRAGEENAN**

INS 407 Carrageenan

Functional Class: Bulking agent, Carrier, Emulsifier, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013

**CASTOR OIL**

INS 1503 Castor oil

Functional Class: Anticaking agent, Carrier, Emulsifier, Glazing agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
05.1.4	Cocoa and chocolate products	350 mg/kg		2007
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	500 mg/kg		2007
05.3	Chewing gum	2100 mg/kg		2007
13.6	Food supplements	1000 mg/kg		2007

**CHLORINE**

INS 925 Chlorine

Functional Class: Flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
06.2.1	Flours	2500 mg/kg	87	2001

**CHLORINE DIOXIDE**

INS 926 Chlorine dioxide

Functional Class: Flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
06.2.1	Flours	30 mg/kg	87	2010

**CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES**

INS 141(i) Chlorophylls, copper complexes Functional Class: Colour

INS 141(ii) Chlorophyllin copper complexes, potassium and sodium salts Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
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Table One

## CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	50 mg/kg	52 & 190	2009
01.6.1	Unripened cheese	50 mg/kg	161	2009
01.6.2.1	Ripened cheese, includes rind	15 mg/kg		2009
01.6.2.2	Rind of ripened cheese	75 mg/kg		2009
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	50 mg/kg		2009
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	50 mg/kg		2009
01.6.5	Cheese analogues	50 mg/kg		2009
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	500 mg/kg		2009
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	500 mg/kg		2009
03.0	Edible ices, including sherbet and sorbet	500 mg/kg		2009
04.1.2.3	Fruit in vinegar, oil, or brine	100 mg/kg	62	2005
04.1.2.4	Canned or bottled (pasteurized) fruit	100 mg/kg	62	2005
04.1.2.5	Jams, jellies, marmelades	200 mg/kg	161	2009
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	150 mg/kg		2009
04.1.2.7	Candied fruit	250 mg/kg		2009
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	62 & 182	2008
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		2009
04.1.2.10	Fermented fruit products	100 mg/kg	62	2005
04.1.2.11	Fruit fillings for pastries	100 mg/kg	62	2005
04.1.2.12	Cooked fruit	100 mg/kg	62	2005
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	100 mg/kg	62	2005
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	100 mg/kg	62 & 92	2008
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	100 mg/kg	62	2005
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	100 mg/kg	62	2005
05.1.2	Cocoa mixes (syrups)	6.4 mg/kg	62 & 161	2009
05.1.3	Cocoa-based spreads, including fillings	6.4 mg/kg	62 & 161	2009
05.1.4	Cocoa and chocolate products	700 mg/kg	183	2009

Table One

## CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
05.1.5	Imitation chocolate, chocolate substitute products	700 mg/kg		2009
05.2.1	Hard candy	700 mg/kg		2009
05.2.2	Soft candy	100 mg/kg		2009
05.2.3	Nougats and marzipans	100 mg/kg		2009
05.3	Chewing gum	700 mg/kg		2009
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	100 mg/kg		2009
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg	153	2009
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	75 mg/kg		2009
07.1.4	Bread-type products, including bread stuffing and bread crumbs	6.4 mg/kg	62 & 161	2009
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	75 mg/kg		2009
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	40 mg/kg	95	2009
09.2.4.1	Cooked fish and fish products	30 mg/kg	62 & 95	2009
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	40 mg/kg	95	2009
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg		2009
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	40 mg/kg	16	2009
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	40 mg/kg	16	2009
09.3.3	Salmon substitutes, caviar, and other fish roe products	200 mg/kg		2009
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	75 mg/kg	95	2009
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	95	2009
10.4	Egg-based desserts (e.g., custard)	300 mg/kg	2	2009
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	64 mg/kg	62	2005
12.2.2	Seasonings and condiments	500 mg/kg		2009
12.4	Mustards	500 mg/kg		2009
12.5	Soups and broths	400 mg/kg	127	2009
12.6	Sauces and like products	100 mg/kg		2009
13.6	Food supplements	500 mg/kg	3	2009
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	300 mg/kg		2009
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	350 mg/kg		2009
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		2009
15.3	Snacks - fish based	350 mg/kg		2009

## CITRIC ACID

**CITRIC ACID**

INS 330

Citric acid

Functional Class: Acidity regulator, Antioxidant, Colour retention agent, Sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP		2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.6.6	Whey protein cheese	GMP		2006
02.1.1	Butter oil, anhydrous milkfat, ghee	GMP	171	2006
04.2.1.1	Untreated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes [(including soybeans)], and aloe vera), seaweeds, and nuts and seeds	GMP	262 & 264	2013
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	242, 262, 264 & 265	2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
06.4.1	Fresh pastas and noodles and like products	GMP		2013
06.4.2	Dried pastas and noodles and like products	GMP	256	2013
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	61 & 257	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	61	2013
10.2.1	Liquid egg products	GMP		2013
10.2.2	Frozen egg products	GMP		2013
12.1.2	Salt Substitutes	GMP		2013
13.1.2	Follow-up formulae	GMP	72	2013
13.2	Complementary foods for infants and young children	5000 mg/kg	238	2013
14.1.2.1	Fruit juice	3000 mg/kg	122	2005
14.1.2.2	Vegetable juice	GMP		2013
14.1.2.3	Concentrates for fruit juice	3000 mg/kg	122 & 127	2005
14.1.2.4	Concentrates for vegetable juice	GMP		2013
14.1.3.1	Fruit nectar	5000 mg/kg		2005
14.1.3.2	Vegetable nectar	GMP		2013
14.1.3.3	Concentrates for fruit nectar	5000 mg/kg	127	2005
14.1.3.4	Concentrates for vegetable nectar	GMP		2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

Table One

## CITRIC AND FATTY ACID ESTERS OF GLYCEROL

**CITRIC AND FATTY ACID ESTERS OF GLYCEROL**

INS 472c Citric and fatty acid esters of glycerol Functional Class: Antioxidant, Emulsifier, Flour treatment agent, Sequestrant, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013

**CYCLAMATES**

INS 952(i) Cyclamic acid Functional Class: Sweetener  
 INS 952(ii) Calcium cyclamate Functional Class: Sweetener  
 INS 952(iv) Sodium cyclamate Functional Class: Sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	250 mg/kg	17 & 161	2007
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	250 mg/kg	17 & 161	2007
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	250 mg/kg	17 & 161	2007
03.0	Edible ices, including sherbet and sorbet	250 mg/kg	17 & 161	2007
04.1.2.4	Canned or bottled (pasteurized) fruit	1000 mg/kg	17 & 161	2007
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	17 & 161	2007
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	2000 mg/kg	17 & 161	2007
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	250 mg/kg	17 & 161	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	250 mg/kg	17 & 161	2007
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	250 mg/kg	17 & 161	2008
05.1.2	Cocoa mixes (syrups)	250 mg/kg	17, 127 & 161	2007
05.1.3	Cocoa-based spreads, including fillings	500 mg/kg	17 & 161	2007
05.1.4	Cocoa and chocolate products	500 mg/kg	17 & 161	2007
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg	17 & 161	2007

Table One

## CYCLAMATES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	500 mg/kg	17, 156 & 161	2007
05.3	Chewing gum	3000 mg/kg	17 & 161	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg	17 & 161	2007
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	250 mg/kg	17 & 161	2007
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	1600 mg/kg	17 & 165	2007
10.4	Egg-based desserts (e.g., custard)	250 mg/kg	17 & 161	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	500 mg/kg	17 & 159	2007
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP	17	2007
12.6.1	Emulsified sauces and dips (e.g., mayonnaise, salad dressing, onion dip)	500 mg/kg	17 & 161	2008
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	500 mg/kg	17 & 161	2008
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	400 mg/kg	17	2007
13.4	Dietetic formulae for slimming purposes and weight reduction	400 mg/kg	17	2007
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	400 mg/kg	17	2007
13.6	Food supplements	1250 mg/kg	17	2007
14.1.3.1	Fruit nectar	400 mg/kg	17 & 122	2005
14.1.3.2	Vegetable nectar	400 mg/kg	17 & 161	2007
14.1.3.3	Concentrates for fruit nectar	400 mg/kg	17, 122 & 127	2005
14.1.3.4	Concentrates for vegetable nectar	400 mg/kg	17, 127 & 161	2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	350 mg/kg	17 & 127	2010
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	250 mg/kg	17	2007

**CYCLODEXTRIN, BETA-**

INS 459

Cyclodextrin, beta-

Functional Class: Carrier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
05.3	Chewing gum	20000 mg/kg		2001
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg/kg	153	2012
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		2001
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	500 mg/kg		2004

Table One

## DEXTRINS, ROASTED STARCH

**DEXTRINS, ROASTED STARCH**

INS 1400 Dextrins, roasted starch Functional Class: Carrier, Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	236	2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013

**DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL**

INS 472e Diacetyltartaric and fatty acid esters of glycerol Functional Class: Emulsifier, Sequestrant, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	5000 mg/kg		2005
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		2005
01.2.2	Renneted milk (plain)	5000 mg/kg		2005
01.3.2	Beverage whiteners	5000 mg/kg		2005
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	6000 mg/kg		2007
01.4.3	Clotted cream (plain)	5000 mg/kg		2006
01.4.4	Cream analogues	6000 mg/kg		2007
01.5.1	Milk powder and cream powder (plain)	10000 mg/kg		2006
01.5.2	Milk and cream powder analogues	10000 mg/kg		2005
01.6.2.1	Ripened cheese, includes rind	10000 mg/kg		2005
01.6.4	Processed cheese	10000 mg/kg		2005
01.6.5	Cheese analogues	10000 mg/kg		2005
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10000 mg/kg		2005
02.1.2	Vegetable oils and fats	10000 mg/kg		2006
02.1.3	Lard, tallow, fish oil, and other animal fats	10000 mg/kg		2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	10000 mg/kg		2005
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10000 mg/kg		2005

Table One

## DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	5000 mg/kg		2005
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg		2006
04.1.2.2	Dried fruit	10000 mg/kg		2005
04.1.2.3	Fruit in vinegar, oil, or brine	1000 mg/kg		2005
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	5000 mg/kg		2005
04.1.2.7	Candied fruit	1000 mg/kg		2005
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	2500 mg/kg		2005
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	2500 mg/kg		2005
04.1.2.10	Fermented fruit products	2500 mg/kg		2005
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	10000 mg/kg		2005
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	2500 mg/kg		2005
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	2500 mg/kg		2005
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	2500 mg/kg		2005
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	2500 mg/kg		2005
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	10000 mg/kg		2005
05.3	Chewing gum	50000 mg/kg		2005
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	10000 mg/kg		2005
06.2	Flours and starches (including soybean powder)	3000 mg/kg	186	2008
06.4.2	Dried pastas and noodles and like products	5000 mg/kg		2008
06.4.3	Pre-cooked pastas and noodles and like products	10000 mg/kg		2005
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	5000 mg/kg		2005
06.6	Batters (e.g., for breading or batters for fish or poultry)	5000 mg/kg		2005
07.1	Bread and ordinary bakery wares	6000 mg/kg		2006
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	20000 mg/kg		2006
10.2.3	Dried and/or heat coagulated egg products	5000 mg/kg		2005
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		2005
12.1.2	Salt Substitutes	16000 mg/kg		2006



Table One

## DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
12.4	Mustards	10000 mg/kg		2005
12.5	Soups and broths	5000 mg/kg		2005
12.6	Sauces and like products	10000 mg/kg		2005
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	5000 mg/kg		2005
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg		2005
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg		2005
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	5000 mg/kg		2005
13.6	Food supplements	5000 mg/kg		2005
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 mg/kg		2005
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	500 mg/kg	142	2006
14.2.2	Cider and perry	5000 mg/kg		2005
14.2.4	Wines (other than grape)	5000 mg/kg		2005
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	5000 mg/kg		2005
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	10000 mg/kg		2005
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	20000 mg/kg		2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	10000 mg/kg		2005

**DIMETHYL DICARBONATE**

INS 242 Dimethyl dicarbonate Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	250 mg/kg	18	1999
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	250 mg/kg	18	2004
14.2.2	Cider and perry	250 mg/kg	18	2004
14.2.3	Grape wines	200 mg/kg	18	2004
14.2.4	Wines (other than grape)	250 mg/kg	18	2004
14.2.5	Mead	200 mg/kg	18	2004

**DISTARCH PHOSPHATE**

INS 1412 Distarch phosphate Functional Class: Emulsifier, Stabilizer, Thickener

Table One

## DISTARCH PHOSPHATE

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**ERYTHROSINE**

INS 127 Erythrosine Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.7	Candied fruit	200 mg/kg	54	2005
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	30 mg/kg		2011
05.3	Chewing gum	50 mg/kg		2011
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	100 mg/kg		2011
08.2	Processed meat, poultry, and game products in whole pieces or cuts	30 mg/kg	4 & 16	2011
08.3	Processed comminuted meat, poultry, and game products	30 mg/kg	4	2012

**ETHYLENE DIAMINE TETRA ACETATES**

INS 385 Calcium disodium ethylenediaminetetraacetate Functional Class: Antioxidant, Colour retention agent, Preservative, Sequestrant

INS 386 Disodium ethylenediaminetetraacetate Functional Class: Antioxidant, Colour retention agent, Preservative, Sequestrant, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.2.2	Fat spreads, dairy fat spreads and blended spreads	100 mg/kg	21	2001
04.1.2.2	Dried fruit	265 mg/kg	21	2001
04.1.2.3	Fruit in vinegar, oil, or brine	250 mg/kg	21	2008
04.1.2.5	Jams, jellies, marmelades	130 mg/kg	21	2001
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	100 mg/kg	21	2001
04.1.2.10	Fermented fruit products	250 mg/kg	21	2008
04.1.2.11	Fruit fillings for pastries	650 mg/kg	21	2001
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	100 mg/kg	21 & 110	2006

Table One

## ETHYLENE DIAMINE TETRA ACETATES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	800 mg/kg	21 & 64	2001
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	250 mg/kg	21	2001
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	365 mg/kg	21	2001
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	250 mg/kg	21	2001
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	80 mg/kg	21	2001
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	250 mg/kg	21	2001
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	250 mg/kg	21	2001
05.1.3	Cocoa-based spreads, including fillings	50 mg/kg	21	2001
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	315 mg/kg	21	2001
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	35 mg/kg	21	2001
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	75 mg/kg	21	2001
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	75 mg/kg	21	2001
09.2.4.1	Cooked fish and fish products	50 mg/kg	21	2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	250 mg/kg	21	2001
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	340 mg/kg	21	2001
10.2.3	Dried and/or heat coagulated egg products	200 mg/kg	21 & 47	2001
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	1000 mg/kg	21 & 96	2005
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	70 mg/kg	21	2001
12.4	Mustards	75 mg/kg	21	2001
12.6.1	Emulsified sauces and dips (e.g., mayonnaise, salad dressing, onion dip)	100 mg/kg	21	2001
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	75 mg/kg	21	2001
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	100 mg/kg	21	2001
13.6	Food supplements	150 mg/kg	21	2001

Table One

## ETHYLENE DIAMINE TETRA ACETATES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	21	2001
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	35 mg/kg	21	2001
14.2.1	Beer and malt beverages	25 mg/kg	21	2004
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	25 mg/kg	21	2005
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	25 mg/kg	21	2007

**FAST GREEN FCF**

INS 143

Fast green FCF

Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	100 mg/kg	52	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg	2	1999
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		1999
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	100 mg/kg		2009
03.0	Edible ices, including sherbet and sorbet	100 mg/kg		1999
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		1999
04.1.2.5	Jams, jellies, marmelades	400 mg/kg		1999
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	100 mg/kg	161	2009
04.1.2.7	Candied fruit	100 mg/kg	161	2009
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	161 & 182	2009
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	100 mg/kg	161	2009
04.1.2.11	Fruit fillings for pastries	100 mg/kg	161	2009
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	300 mg/kg		1999
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		1999
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	100 mg/kg	161	2009
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	100 mg/kg		2009
05.3	Chewing gum	300 mg/kg		1999
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	100 mg/kg		2009

Table One

## FAST GREEN FCF

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
06.4.3	Pre-cooked pastas and noodles and like products	290 mg/kg	194	2010
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	100 mg/kg	161	2009
07.0	Bakery wares	100 mg/kg	161	2009
08.1	Fresh meat, poultry, and game	100 mg/kg	3, 4 & 16	2009
08.2	Processed meat, poultry, and game products in whole pieces or cuts	100 mg/kg	3 & 4	2009
08.4	Edible casings (e.g., sausage casings)	100 mg/kg	3 & 4	2009
09.2.4.1	Cooked fish and fish products	100 mg/kg		1999
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		1999
09.3.3	Salmon substitutes, caviar, and other fish roe products	100 mg/kg		1999
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	95	2009
10.1	Fresh eggs	GMP	4	1999
10.4	Egg-based desserts (e.g., custard)	100 mg/kg		2009
12.2.2	Seasonings and condiments	100 mg/kg		2009
12.6.1	Emulsified sauces and dips (e.g., mayonnaise, salad dressing, onion dip)	100 mg/kg		2009
13.6	Food supplements	600 mg/kg		2009
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		1999
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	100 mg/kg		1999
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	100 mg/kg		1999

**FERRIC AMMONIUM CITRATE**

INS 381 Ferric ammonium citrate Functional Class: Anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	10 mg/kg	23	1999

**FERROCYANIDES**

INS 535 Sodium ferrocyanide Functional Class: Anticaking agent

INS 536 Potassium ferrocyanide Functional Class: Anticaking agent

INS 538 Calcium ferrocyanide Functional Class: Anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
12.1.1	Salt	14 mg/kg	24 & 107	2006
12.1.2	Salt Substitutes	20 mg/kg	24	1999

## Table One

## FERROCYANIDES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
12.2.2	Seasonings and condiments	20 mg/kg	24	1999

**FERROUS GLUCONATE**

INS 579 Ferrous gluconate Functional Class: Colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	150 mg/kg	23 & 48	1999

**FERROUS LACTATE**

INS 585 Ferrous lactate Functional Class: Colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	150 mg/kg	23 & 48	1999

**FORMIC ACID**

INS 236 Formic acid Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
12.6	Sauces and like products	200 mg/kg	25	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg	25	2001

**FUMARIC ACID**

INS 297 Fumaric acid Functional Class: Acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
06.4.1	Fresh pastas and noodles and like products	700 mg/kg		2013
06.4.2	Dried pastas and noodles and like products	GMP	256	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	2013
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013

Table One

**FUMARIC ACID**

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	266 & 267	2013
12.1.2	Salt Substitutes	GMP		2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

**GELLAN GUM**

INS 418 Gellan gum Functional Class: Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**GLUCONO DELTA-LACTONE**

INS 575 Glucono delta-lactone Functional Class: Acidity regulator, Raising agent, Sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.6.6	Whey protein cheese	GMP		2006
06.4.1	Fresh pastas and noodles and like products	GMP		2013
13.2	Complementary foods for infants and young children	GMP	239	2013

**GLYCEROL ESTER OF WOOD ROSIN**

INS 445(iii) Glycerol ester of wood rosin Functional Class: Emulsifier, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.1.2	Surface-treated fresh fruit	110 mg/kg		2005
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	110 mg/kg		2005
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	150 mg/kg		1999

**GRAPE SKIN EXTRACT**

INS 163(ii) Grape skin extract Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
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Table One

## GRAPE SKIN EXTRACT

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg/kg	52 & 181	2009
01.4.4	Cream analogues	150 mg/kg	181 & 201	2011
01.5.2	Milk and cream powder analogues	150 mg/kg	181, 201 & 209	2011
01.6.2.2	Rind of ripened cheese	1000 mg/kg		2009
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	1000 mg/kg		2009
01.6.5	Cheese analogues	1000 mg/kg		2009
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	200 mg/kg	181	2009
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	181	2009
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	181	2011
04.1.2.3	Fruit in vinegar, oil, or brine	1500 mg/kg	161	2009
04.1.2.4	Canned or bottled (pasteurized) fruit	1500 mg/kg	181	2011
04.1.2.5	Jams, jellies, marmelades	500 mg/kg	161 & 181	2009
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg	161 & 181	2009
04.1.2.7	Candied fruit	1000 mg/kg		2011
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg	179, 181 & 182	2011
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	500 mg/kg	161 & 181	2009
04.1.2.10	Fermented fruit products	500 mg/kg	161 & 181	2009
04.1.2.11	Fruit fillings for pastries	500 mg/kg	161 & 181	2009
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	100 mg/kg	179 & 181	2011
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	100 mg/kg	179 & 181	2011
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	100 mg/kg	92 & 181	2011
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	100 mg/kg	161 & 181	2009
05.1.3	Cocoa-based spreads, including fillings	200 mg/kg	181	2012
05.1.4	Cocoa and chocolate products	200 mg/kg	181 & 183	2012
05.1.5	Imitation chocolate, chocolate substitute products	200 mg/kg	181	2009
05.2.2	Soft candy	1700 mg/kg	181	2012
05.3	Chewing gum	500 mg/kg	181	2009



Table One

## GRAPE SKIN EXTRACT

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg	181	2009
06.3	Breakfast cereals, including rolled oats	200 mg/kg		2010
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	200 mg/kg	181	2011
07.1.2	Crackers, excluding sweet crackers	200 mg/kg	181	2011
07.1.4	Bread-type products, including bread stuffing and bread crumbs	200 mg/kg	181	2011
08.1.2	Fresh meat, poultry, and game, comminuted	1000 mg/kg	4, 16 & 94	2010
08.2	Processed meat, poultry, and game products in whole pieces or cuts	5000 mg/kg	16	2011
08.3	Processed comminuted meat, poultry, and game products	5000 mg/kg	16	2011
08.4	Edible casings (e.g., sausage casings)	5000 mg/kg		2009
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	2011
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16 & 95	2009
09.2.4.1	Cooked fish and fish products	500 mg/kg	95	2009
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	1000 mg/kg		2011
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	16 & 95	2009
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	22	2009
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	16	2009
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	1500 mg/kg	16	2009
09.3.3	Salmon substitutes, caviar, and other fish roe products	1500 mg/kg		2009
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	1500 mg/kg	16	2009
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	1500 mg/kg	16	2009
10.1	Fresh eggs	1500 mg/kg	4	2010
10.4	Egg-based desserts (e.g., custard)	200 mg/kg	181	2009
12.4	Mustards	200 mg/kg	181	2009
12.5	Soups and broths	500 mg/kg	181	2009
12.6.1	Emulsified sauces and dips (e.g., mayonnaise, salad dressing, onion dip)	300 mg/kg	181	2009
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	300 mg/kg	181	2009
12.6.3	Mixes for sauces and gravies	300 mg/kg	181	2009
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1500 mg/kg		2009
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	250 mg/kg	181	2009

Table One

## GRAPE SKIN EXTRACT

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
13.4	Dietetic formulae for slimming purposes and weight reduction	250 mg/kg	181	2009
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	250 mg/kg	181	2009
13.6	Food supplements	500 mg/kg	181	2009
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	300 mg/kg	181	2009
14.2.2	Cider and perry	300 mg/kg	181	2009
14.2.4	Wines (other than grape)	300 mg/kg	181	2009
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg	181	2010
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	300 mg/kg	181	2009
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	500 mg/kg	181	2009
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	300 mg/kg	181	2009
15.3	Snacks - fish based	400 mg/kg		2011

**GUAIAIC RESIN**

INS 314

Guaiac resin

Functional Class: Antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.1.2	Vegetable oils and fats	1000 mg/kg		2006
02.1.3	Lard, tallow, fish oil, and other animal fats	1000 mg/kg		2006
05.3	Chewing gum	1500 mg/kg		1999
12.6	Sauces and like products	600 mg/kg	15	2004

**GUAR GUM**

INS 412

Guar gum

Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013

Table One

## GUM ARABIC (ACACIA GUM)

**GUM ARABIC (ACACIA GUM)**

INS 414 Gum arabic (Acacia gum) Functional Class: Bulking agent, Carrier, Emulsifier, Glazing agent, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**HEXAMETHYLENE TETRAMINE**

INS 239 Hexamethylene tetramine Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.6.2.1	Ripened cheese, includes rind	25 mg/kg	66	2001

**HYDROCHLORIC ACID**

INS 507 Hydrochloric acid Functional Class: Acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
13.2	Complementary foods for infants and young children	GMP	239	2013

**HYDROXYBENZOATES, PARA-**

INS 214 Ethyl para-hydroxybenzoate Functional Class: Preservative

INS 218 Methyl para-hydroxybenzoate Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.6.4	Processed cheese	300 mg/kg	27	2012
01.6.5	Cheese analogues	500 mg/kg	27	2009
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	120 mg/kg	27	2012
02.2.2	Fat spreads, dairy fat spreads and blended spreads	300 mg/kg	27	2012
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	300 mg/kg	27	2012
04.1.2.2	Dried fruit	800 mg/kg	27	2010
04.1.2.3	Fruit in vinegar, oil, or brine	250 mg/kg	27	2012
04.1.2.5	Jams, jellies, marmelades	250 mg/kg	27	2012
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	27	2012
04.1.2.7	Candied fruit	1000 mg/kg	27	2010

Table One

## HYDROXYBENZOATES, PARA-

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	800 mg/kg	27	2010
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	800 mg/kg	27	2012
04.1.2.10	Fermented fruit products	800 mg/kg	27	2010
04.1.2.11	Fruit fillings for pastries	800 mg/kg	27	2010
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	1000 mg/kg	27	2010
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1000 mg/kg	27	2010
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	1000 mg/kg	27	2010
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	300 mg/kg	27	2012
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg	27	2012
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg	27	2009
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	1000 mg/kg	27	2012
05.3	Chewing gum	1500 mg/kg	27	2010
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	300 mg/kg	27	2010
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	300 mg/kg	27	2010
08.4	Edible casings (e.g., sausage casings)	36 mg/kg	27	2010
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	27	2010
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	100 mg/kg	27	2012
12.3	Vinegars	100 mg/kg	27	2012
12.4	Mustards	300 mg/kg	27	2010
12.6	Sauces and like products	1000 mg/kg	27	2010
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg	27	2010
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	450 mg/kg	27 & 160	2012
14.2.2	Cider and perry	200 mg/kg	27	2010
14.2.4	Wines (other than grape)	200 mg/kg	27	2012
14.2.5	Mead	200 mg/kg	27	2010
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	1000 mg/kg	27 & 224	2012
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	300 mg/kg	27	2009

Table One

## HYDROXYBENZOATES, PARA-

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	300 mg/kg	27	2010

**HYDROXYPROPYL CELLULOSE**

INS 463 Hydroxypropyl cellulose Functional Class: Emulsifier, Foaming agent, Glazing agent, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**HYDROXYPROPYL DISTARCH PHOSPHATE**

INS 1442 Hydroxypropyl distarch phosphate Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		2006

**HYDROXYPROPYL METHYL CELLULOSE**

INS 464 Hydroxypropyl methyl cellulose Functional Class: Bulking agent, Emulsifier, Glazing agent, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**HYDROXYPROPYL STARCH**

INS 1440 Hydroxypropyl starch Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
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Table One

## HYDROXYPROPYL STARCH

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**INDIGOTINE (INDIGO CARMINE)**

INS 132 Indigotine (Indigo carmine) Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300 mg/kg	52	2009
01.6.1	Unripened cheese	200 mg/kg	3	2009
01.6.2.2	Rind of ripened cheese	100 mg/kg		2009
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	100 mg/kg		2009
01.6.5	Cheese analogues	200 mg/kg	3 & 161	2009
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		2009
02.1.3	Lard, tallow, fish oil, and other animal fats	300 mg/kg	161	2009
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	300 mg/kg	161	2009
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		2009
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		2009
04.1.2.5	Jams, jellies, marmelades	300 mg/kg	161	2009
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	300 mg/kg	161	2009
04.1.2.7	Candied fruit	200 mg/kg	161	2009
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	150 mg/kg	161 & 182	2009
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg	161	2009
04.1.2.11	Fruit fillings for pastries	150 mg/kg	161	2009
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	150 mg/kg	161	2009
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg	92 & 161	2009

Table One

## INDIGOTINE (INDIGO CARMINE)

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	300 mg/kg	161	2009
05.1.4	Cocoa and chocolate products	450 mg/kg	183	2009
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg		2009
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		2009
05.3	Chewing gum	300 mg/kg		2009
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	300 mg/kg		2009
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		2009
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg	161	2009
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	2009
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	95	2009
09.2.4.1	Cooked fish and fish products	300 mg/kg	95	2009
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg	16	2009
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	22 & 161	2009
09.3.3	Salmon substitutes, caviar, and other fish roe products	300 mg/kg		2009
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	300 mg/kg	161	2009
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg		2009
10.1	Fresh eggs	300 mg/kg	4 & 161	2009
10.4	Egg-based desserts (e.g., custard)	300 mg/kg	161	2009
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg	161	2009
12.2.2	Seasonings and condiments	300 mg/kg		2009
12.4	Mustards	300 mg/kg		2009
12.5	Soups and broths	50 mg/kg		2009
12.6	Sauces and like products	300 mg/kg		2009
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		2009
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		2009
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		2009
13.6	Food supplements	300 mg/kg		2009
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		2009
14.2.2	Cider and perry	200 mg/kg		2009

Table One

## INDIGOTINE (INDIGO CARMINE)

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.2.4	Wines (other than grape)	200 mg/kg		2009
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg		2009
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		2009
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		2009
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		2009

## IRON OXIDES

INS 172(i) Iron oxide, black Functional Class: Colour

INS 172(ii) Iron oxide, red Functional Class: Colour

INS 172(iii) Iron oxide, yellow Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	20 mg/kg	52	2008
01.6.2.2	Rind of ripened cheese	100 mg/kg		2005
01.6.4	Processed cheese	50 mg/kg		2005
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg		2005
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	350 mg/kg		2005
03.0	Edible ices, including sherbet and sorbet	300 mg/kg		2005
04.1.1.2	Surface-treated fresh fruit	1000 mg/kg	4 & 16	2008
04.1.2.4	Canned or bottled (pasteurized) fruit	300 mg/kg		2005
04.1.2.5	Jams, jellies, marmelades	200 mg/kg		2005
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		2005
04.1.2.7	Candied fruit	250 mg/kg		2005
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	200 mg/kg		2005
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg		2005
05.3	Chewing gum	10000 mg/kg	161	2009
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	100 mg/kg		2005
06.3	Breakfast cereals, including rolled oats	75 mg/kg		2005
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	75 mg/kg		2005
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	100 mg/kg		2005
08.4	Edible casings (e.g., sausage casings)	1000 mg/kg	72	2005



Table One

## IRON OXIDES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	250 mg/kg	22	2005
09.3.3	Salmon substitutes, caviar, and other fish roe products	100 mg/kg		2005
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	50 mg/kg	95	2010
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	50 mg/kg	95	2010
10.1	Fresh eggs	GMP	4	2005
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		2010
12.2.2	Seasonings and condiments	1000 mg/kg		2005
12.5	Soups and broths	100 mg/kg		2005
12.6	Sauces and like products	75 mg/kg		2005
13.6	Food supplements	7500 mg/kg	3	2009
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		2005
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	500 mg/kg		2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	400 mg/kg		2005

**ISOPROPYL CITRATES**

INS 384

Isopropyl citrates

Functional Class: Antioxidant, Preservative, Sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.1.2	Vegetable oils and fats	200 mg/kg		2005
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg		2001
02.2.2	Fat spreads, dairy fat spreads and blended spreads	100 mg/kg		2001
08.1.2	Fresh meat, poultry, and game, comminuted	200 mg/kg		2001
08.2.1.2	Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts	200 mg/kg		2001
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	200 mg/kg		2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg		2001

**KARAYA GUM**

INS 416

Karaya gum

Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	200 mg/kg	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013

## KARAYA GUM

**KONJAC FLOUR**

INS 425 Konjac flour

Functional Class: Carrier, Emulsifier, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	236	2013

**LACTIC ACID, L-, D- and DL-**

INS 270

Lactic acid, L-, D- and DL-

Functional Class: Acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.1	Pasteurized cream (plain)	GMP		2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.6.6	Whey protein cheese	GMP		2006
04.2.1.1	Untreated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes [(including soybeans)], and aloe vera), seaweeds, and nuts and seeds	GMP	262 & 264	2013
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	262 & 264	2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
06.4.1	Fresh pastas and noodles and like products	GMP		2013
06.4.2	Dried pastas and noodles and like products	GMP	256	2013
10.2.1	Liquid egg products	GMP		2013
10.2.2	Frozen egg products	GMP		2013
12.1.2	Salt Substitutes	GMP		2013
13.1.2	Follow-up formulae	GMP	72 & 83	2013
13.2	Complementary foods for infants and young children	2000 mg/kg	83 & 238	2013

**LACTIC AND FATTY ACID ESTERS OF GLYCEROL**

INS 472b

Lactic and fatty acid esters of glycerol

Functional Class: Emulsifier, Sequestrant, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013

Table One

## LACTIC AND FATTY ACID ESTERS OF GLYCEROL

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**LAURIC ARGINATE ETHYL ESTER**

INS 243 Lauric arginate ethyl ester Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.6.1	Unripened cheese	200 mg/kg		2011
01.6.2.1	Ripened cheese, includes rind	200 mg/kg		2011
01.6.3	Whey cheese	200 mg/kg		2011
01.6.4	Processed cheese	200 mg/kg		2011
01.6.5	Cheese analogues	200 mg/kg		2011
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	200 mg/kg	170	2011
02.2.2	Fat spreads, dairy fat spreads and blended spreads	200 mg/kg	214 & 215	2011
04.1.2.2	Dried fruit	200 mg/kg		2011
04.1.2.11	Fruit fillings for pastries	200 mg/kg		2011
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	200 mg/kg		2011
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	200 mg/kg		2011
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	200 mg/kg		2011
05.1.3	Cocoa-based spreads, including fillings	200 mg/kg		2011
05.3	Chewing gum	225 mg/kg		2011
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	200 mg/kg		2011
10.2	Egg products	200 mg/kg		2011
10.4	Egg-based desserts (e.g., custard)	200 mg/kg		2011
12.2.2	Seasonings and condiments	200 mg/kg		2011
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	200 mg/kg		2011
12.5.2	Mixes for soups and broths	200 mg/kg	127	2011
12.6.1	Emulsified sauces and dips (e.g., mayonnaise, salad dressing, onion dip)	200 mg/kg		2011
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	200 mg/kg		2011
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	200 mg/kg		2011

Table One

## LAURIC ARGINATE ETHYL ESTER

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.4.1	Carbonated water-based flavoured drinks	50 mg/kg		2011
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	50 mg/kg		2011
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	50 mg/kg	127	2011

**LECITHIN**

INS 322(i) Lecithin Functional Class: Antioxidant, Emulsifier

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013

**LYSOZYME**

INS 1105 Lysozyme Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.6.2	Ripened cheese	GMP		1999
14.2.2	Cider and perry	500 mg/kg		2004
14.2.3	Grape wines	500 mg/kg		2004

**MAGNESIUM CARBONATE**

INS 504(i) Magnesium carbonate Functional Class: Acidity regulator, Anticaking agent, Colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.1.2	Buttermilk (plain)	GMP	261	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		2006
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	5000 mg/kg	36	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013

Table One

**MAGNESIUM CARBONATE**

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	266 & 267	2013
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	56	2006
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP	258	2013
12.1.1	Salt	GMP		2006
12.1.2	Salt Substitutes	GMP		2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

**MAGNESIUM CHLORIDE**

INS 511 Magnesium chloride Functional Class: Colour retention agent, Firming agent, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013

**MAGNESIUM HYDROXIDE**

INS 528 Magnesium hydroxide Functional Class: Acidity regulator, Colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.1.2	Buttermilk (plain)	GMP	261	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	266 & 267	2013
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP	258	2013
12.1.2	Salt Substitutes	GMP		2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

**MAGNESIUM HYDROXIDE CARBONATE**

INS 504(ii) Magnesium hydroxide carbonate Functional Class: Acidity regulator, Anticaking agent, Carrier, Colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
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Table One

**MAGNESIUM HYDROXIDE CARBONATE**

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.1.2	Buttermilk (plain)	GMP	261	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	266 & 267	2013
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP	258	2013
12.1.2	Salt Substitutes	GMP		2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

**MAGNESIUM OXIDE**

INS 530 Magnesium oxide Functional Class: Anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		2006
12.1.1	Salt	GMP		2006

**MAGNESIUM SILICATE, SYNTHETIC**

INS 553(i) Magnesium silicate, synthetic Functional Class: Anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		2006
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	56	2006
12.1.1	Salt	GMP		2006

**MALIC ACID, DL-**

INS 296 Malic acid, DL- Functional Class: Acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.6.6	Whey protein cheese	GMP		2006
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	265	2013

Table One

## MALIC ACID, DL-

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
06.4.2	Dried pastas and noodles and like products	GMP	256	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	2013
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	266 & 267	2013
12.1.2	Salt Substitutes	GMP		2013
13.2	Complementary foods for infants and young children	GMP	239	2013
14.1.2.1	Fruit juice	GMP	115	2005
14.1.2.2	Vegetable juice	GMP		2013
14.1.2.3	Concentrates for fruit juice	GMP	115 & 127	2005
14.1.2.4	Concentrates for vegetable juice	GMP		2013
14.1.3.1	Fruit nectar	GMP		2005
14.1.3.2	Vegetable nectar	GMP		2013
14.1.3.3	Concentrates for fruit nectar	GMP	127	2005
14.1.3.4	Concentrates for vegetable nectar	GMP		2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

**MANNITOL**

INS 421 Mannitol

Functional Class: Anticaking agent, Bulking agent, Humectant, Stabilizer, Sweetener, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.2	Renneted milk (plain)	GMP		2013

**METHYL CELLULOSE**

INS 461 Methyl cellulose

Functional Class: Bulking agent, Emulsifier, Glazing agent, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013

Table One

**METHYL CELLULOSE**

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**METHYL ETHYL CELLULOSE**

INS 465 Methyl ethyl cellulose Functional Class: Emulsifier, Foaming agent, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**MICROCRYSTALLINE CELLULOSE (CELLULOSE GEL)**

INS 460(i) Microcrystalline cellulose (Cellulose gel) Functional Class: Anticaking agent, Bulking agent, Carrier, Emulsifier, Foaming agent, Glazing agent, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		2006

**MICROCRYSTALLINE WAX**

INS 905c(i) Microcrystalline wax Functional Class: Antifoaming agent, Glazing agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.6.2.2	Rind of ripened cheese	30000 mg/kg		2004
04.1.1.2	Surface-treated fresh fruit	50 mg/kg		2004
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	50 mg/kg		2004
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	3	2001
05.3	Chewing gum	20000 mg/kg	3	2001



Table One

## MINERAL OIL, HIGH VISCOSITY

**MINERAL OIL, HIGH VISCOSITY**

INS 905d Mineral oil, high viscosity Functional Class: Antifoaming agent, Glazing agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.2	Dried fruit	5000 mg/kg		2005
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	2000 mg/kg	3	2004
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2000 mg/kg	3	2004
05.3	Chewing gum	20000 mg/kg		2004
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	2000 mg/kg	3	2004
06.1	Whole, broken, or flaked grain, including rice	800 mg/kg	98	2004
07.0	Bakery wares	3000 mg/kg	125	2004
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts	950 mg/kg	3	2004
08.3.3	Frozen processed comminuted meat, poultry, and game products	950 mg/kg	3	2004

**MINERAL OIL, MEDIUM VISCOSITY**

INS 905e Mineral oil, medium viscosity Functional Class: Glazing agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.2	Dried fruit	5000 mg/kg		2005
05.0	Confectionery	2000 mg/kg	3	2004
07.1.1	Breads and rolls	3000 mg/kg	36 & 126	2004

**MONO- AND DI-GLYCERIDES OF FATTY ACIDS**

INS 471 Mono- and di-glycerides of fatty acids Functional Class: Antifoaming agent, Emulsifier, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**MONOSTARCH PHOSPHATE**

INS 1410 Monostarch phosphate Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013

Table One

## MONOSTARCH PHOSPHATE

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**NATAMYCIN (PIMARICIN)**

INS 235 Natamycin (Pimaricin) Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.6.1	Unripened cheese	40 mg/kg	3 & 80	2006
01.6.2	Ripened cheese	40 mg/kg	3 & 80	2006
01.6.4	Processed cheese	40 mg/kg	3 & 80	2006
01.6.5	Cheese analogues	40 mg/kg	3 & 80	2006
01.6.6	Whey protein cheese	40 mg/kg	3 & 80	2006
08.2.1.2	Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts	6 mg/kg		2001
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	3 & 81	2001

**NEOTAME**

INS 961 Neotame Functional Class: Flavour enhancer, Sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	20 mg/kg	161	2007
01.3.2	Beverage whiteners	65 mg/kg	161	2008
01.4.4	Cream analogues	33 mg/kg	161	2008
01.5.2	Milk and cream powder analogues	65 mg/kg	161	2008
01.6.5	Cheese analogues	33 mg/kg	161	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg	161	2007
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10 mg/kg	161	2008
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	100 mg/kg	161	2007
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	161	2007
04.1.2.1	Frozen fruit	100 mg/kg	161	2008
04.1.2.2	Dried fruit	100 mg/kg	161	2008
04.1.2.3	Fruit in vinegar, oil, or brine	100 mg/kg	161	2007

Table One

## NEOTAME

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.4	Canned or bottled (pasteurized) fruit	33 mg/kg	161	2007
04.1.2.5	Jams, jellies, marmelades	70 mg/kg	161	2007
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	70 mg/kg	161	2007
04.1.2.7	Candied fruit	65 mg/kg	161	2007
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	161	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	100 mg/kg	161	2007
04.1.2.10	Fermented fruit products	65 mg/kg	161	2007
04.1.2.11	Fruit fillings for pastries	100 mg/kg	161	2007
04.1.2.12	Cooked fruit	65 mg/kg	161	2007
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	33 mg/kg	161	2008
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	33 mg/kg	161	2008
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	10 mg/kg	144	2007
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	33 mg/kg	161	2008
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	33 mg/kg	161	2008
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	33 mg/kg	161	2007
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	33 mg/kg	161	2007
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	33 mg/kg	161	2008
05.1.2	Cocoa mixes (syrups)	33 mg/kg	97 & 161	2007
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg	161	2007
05.1.4	Cocoa and chocolate products	80 mg/kg	161	2007
05.1.5	Imitation chocolate, chocolate substitute products	100 mg/kg	161	2007
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	330 mg/kg	158 & 161	2007
05.3	Chewing gum	1000 mg/kg	161	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	100 mg/kg	161	2007
06.3	Breakfast cereals, including rolled oats	160 mg/kg	161	2007

Table One

## NEOTAME

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	33 mg/kg	161	2007
07.1	Bread and ordinary bakery wares	70 mg/kg	161	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	80 mg/kg	161 & 165	2008
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg	161	2008
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg	161	2008
10.4	Egg-based desserts (e.g., custard)	100 mg/kg	161	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	70 mg/kg	159	2007
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		2007
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	32 mg/kg	161	2008
12.3	Vinegars	12 mg/kg	161	2008
12.4	Mustards	12 mg/kg		2007
12.5	Soups and broths	20 mg/kg	161	2007
12.6.1	Emulsified sauces and dips (e.g., mayonnaise, salad dressing, onion dip)	65 mg/kg		2007
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	70 mg/kg		2007
12.6.3	Mixes for sauces and gravies	12 mg/kg		2007
12.6.4	Clear sauces (e.g., fish sauce)	12 mg/kg		2007
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	33 mg/kg	161 & 166	2007
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	33 mg/kg		2007
13.4	Dietetic formulae for slimming purposes and weight reduction	33 mg/kg		2007
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	65 mg/kg		2007
13.6	Food supplements	90 mg/kg		2007
14.1.3.2	Vegetable nectar	65 mg/kg	161	2007
14.1.3.4	Concentrates for vegetable nectar	65 mg/kg	127 & 161	2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	33 mg/kg	161	2007
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	50 mg/kg	160	2007
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	33 mg/kg		2007
15.0	Ready-to-eat savouries	32 mg/kg		2007

**NISIN**

INS 234

Nisin

Functional Class: Preservative

Table One

## NISIN

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.3	Clotted cream (plain)	10 mg/kg	28	2009
01.6.2	Ripened cheese	12.5 mg/kg	28	2009
01.6.5	Cheese analogues	12.5 mg/kg	28	2010
01.6.6	Whey protein cheese	12.5 mg/kg	28	2006
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	3 mg/kg	28	2010

**ORTHO-PHENYLPHENOLS**

INS 231 ortho-Phenylphenol Functional Class: Preservative

INS 232 Sodium ortho-phenylphenol Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.1.2	Surface-treated fresh fruit	12 mg/kg	49	1999

**OXIDIZED STARCH**

INS 1404 Oxidized starch Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	236	2013

**PECTINS**

INS 440 Pectins Functional Class: Emulsifier, Gelling agent, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013

Table One

## PECTINS

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.2.1	Fruit juice	GMP	35	2005
14.1.2.3	Concentrates for fruit juice	GMP	35 & 127	2005
14.1.3.1	Fruit nectar	GMP		2005
14.1.3.3	Concentrates for fruit nectar	GMP	127	2005

**PHOSPHATED DISTARCH PHOSPHATE**

INS 1413 Phosphated distarch phosphate Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

## Table One

## PHOSPHATES

**PHOSPHATES**

INS 338	Phosphoric acid	Functional Class: Acidity regulator, Antioxidant, Sequestrant
INS 339(i)	Sodium dihydrogen phosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Raising agent, Sequestrant, Stabilizer, Thickener
INS 339(ii)	Disodium hydrogen phosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Sequestrant, Stabilizer, Thickener
INS 339(iii)	Trisodium phosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Preservative, Sequestrant, Stabilizer, Thickener
INS 340(i)	Potassium dihydrogen phosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Sequestrant, Stabilizer, Thickener
INS 340(ii)	Dipotassium hydrogen phosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Sequestrant, Stabilizer, Thickener
INS 340(iii)	Tripotassium phosphate	Functional Class: Acidity regulator, Anticaking agent, Firming agent, Flour treatment agent, Humectant, Raising agent, Sequestrant, Stabilizer, Thickener
INS 341(i)	Calcium dihydrogen phosphate	Functional Class: Acidity regulator, Anticaking agent, Firming agent, Flour treatment agent, Humectant, Raising agent, Sequestrant, Stabilizer, Thickener
INS 341(ii)	Calcium hydrogen phosphate	Functional Class: Acidity regulator, Anticaking agent, Firming agent, Flour treatment agent, Humectant, Raising agent, Stabilizer, Thickener
INS 341(iii)	Tricalcium phosphate	Functional Class: Acidity regulator, Anticaking agent, Emulsifier, Firming agent, Flour treatment agent, Humectant, Raising agent, Stabilizer, Thickener
INS 342(i)	Ammonium dihydrogen phosphate	Functional Class: Acidity regulator, Flour treatment agent
INS 342(ii)	Diammonium hydrogen phosphate	Functional Class: Acidity regulator, Flour treatment agent
INS 343(i)	Magnesium dihydrogen phosphate	Functional Class: Acidity regulator, Anticaking agent
INS 343(ii)	Magnesium hydrogen phosphate	Functional Class: Acidity regulator, Anticaking agent
INS 343(iii)	Trimagnesium phosphate	Functional Class: Acidity regulator, Anticaking agent
INS 450(i)	Disodium diphosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Raising agent, Sequestrant, Stabilizer, Thickener
INS 450(ii)	Trisodium diphosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Raising agent, Sequestrant, Stabilizer, Thickener
INS 450(iii)	Tetrasodium diphosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Raising agent, Sequestrant, Stabilizer, Thickener
INS 450(v)	Tetrapotassium diphosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Raising agent, Sequestrant, Stabilizer, Thickener
INS 450(vi)	Dicalcium diphosphate	Functional Class: Acidity regulator, Emulsifier, Firming agent, Raising agent, Sequestrant, Stabilizer, Thickener
INS 450(vii)	Calcium dihydrogen diphosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Raising agent, Sequestrant, Stabilizer
INS 451(i)	Pentasodium triphosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Sequestrant, Stabilizer, Thickener
INS 451(ii)	Pentapotassium triphosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Sequestrant, Stabilizer, Thickener
INS 452(i)	Sodium polyphosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Raising agent, Sequestrant, Stabilizer, Thickener
INS 452(ii)	Potassium polyphosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Raising agent, Sequestrant, Stabilizer, Thickener
INS 452(iii)	Sodium calcium polyphosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Raising agent, Sequestrant, Stabilizer

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INS 452(iv)	Calcium polyphosphate	Functional Class: Acidity regulator, Emulsifier, Humectant, Raising agent, Sequestrant, Stabilizer, Thickener
INS 452(v)	Ammonium polyphosphate	Functional Class: Emulsifier, Humectant, Sequestrant, Stabilizer, Thickener
INS 542	Bone phosphate	Functional Class: Anticaking agent, Emulsifier, Humectant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.1	Milk and buttermilk (plain)	1500 mg/kg	33 & 227	2012
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	1320 mg/kg	33	2012
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	1000 mg/kg	33	2010
01.3.1	Condensed milk (plain)	880 mg/kg	33	2012
01.3.2	Beverage whiteners	13000 mg/kg	33	2012
01.4	Cream (plain) and the like	2200 mg/kg	33	2012
01.5.1	Milk powder and cream powder (plain)	4400 mg/kg	33	2012
01.5.2	Milk and cream powder analogues	4400 mg/kg	33 & 88	2009
01.6.1	Unripened cheese	4400 mg/kg	33	2012
01.6.4	Processed cheese	9000 mg/kg	33	2012
01.6.5	Cheese analogues	9000 mg/kg	33	2012
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	1500 mg/kg	33	2012
01.8.1	Liquid whey and whey products, excluding whey cheeses	880 mg/kg	33 & 228	2012
01.8.2	Dried whey and whey products, excluding whey cheeses	4400 mg/kg	33	2006
02.2.1	Butter	880 mg/kg	33 & 34	2008
02.2.2	Fat spreads, dairy fat spreads and blended spreads	2200 mg/kg	33	2009
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	2200 mg/kg	33	2009
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1500 mg/kg	33	2012
03.0	Edible ices, including sherbet and sorbet	7500 mg/kg	33	2012
04.1.2.3	Fruit in vinegar, oil, or brine	2200 mg/kg	33	2012
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1100 mg/kg	33	2009
04.1.2.7	Candied fruit	10 mg/kg	33	2012
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	350 mg/kg	33	2012
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1500 mg/kg	33	2012
04.1.2.10	Fermented fruit products	2200 mg/kg	33	2009
04.1.2.11	Fruit fillings for pastries	1500 mg/kg	33	2012
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1760 mg/kg	16 & 33	2009



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## PHOSPHATES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	5600 mg/kg	33 & 76	2012
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	5000 mg/kg	33 & 76	2012
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	5000 mg/kg	33 & 76	2012
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	2200 mg/kg	33	2012
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	2200 mg/kg	33	2012
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	2200 mg/kg	33 & 76	2012
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	2200 mg/kg	33	2012
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	2200 mg/kg	33	2010
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	2200 mg/kg	33 & 76	2012
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	1100 mg/kg	33	2012
05.1.3	Cocoa-based spreads, including fillings	880 mg/kg	33	2012
05.1.4	Cocoa and chocolate products	1100 mg/kg	33	2012
05.1.5	Imitation chocolate, chocolate substitute products	2200 mg/kg	33	2009
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2200 mg/kg	33	2012
05.3	Chewing gum	44000 mg/kg	33	2012
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1500 mg/kg	33	2012
06.2.1	Flours	2500 mg/kg	33 & 225	2012
06.3	Breakfast cereals, including rolled oats	2200 mg/kg	33	2009
06.4.1	Fresh pastas and noodles and like products	2500 mg/kg	33 & 211	2012
06.4.2	Dried pastas and noodles and like products	900 mg/kg	33 & 211	2012
06.4.3	Pre-cooked pastas and noodles and like products	2500 mg/kg	33 & 211	2012
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	7000 mg/kg	33	2012
06.6	Batters (e.g., for breading or batters for fish or poultry)	5600 mg/kg	33	2012
06.8.1	Soybean-based beverages	1300 mg/kg	33	2012
06.8.3	Soybean curd (tofu)	100 mg/kg	33	2012

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## PHOSPHATES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
07.1.1.2	Soda breads	9300 mg/kg	33 & 229	2012
07.1.2	Crackers, excluding sweet crackers	9300 mg/kg	33 & 229	2012
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	9300 mg/kg	33 & 229	2012
07.1.4	Bread-type products, including bread stuffing and bread crumbs	9300 mg/kg	33 & 229	2012
07.1.5	Steamed breads and buns	9300 mg/kg	33 & 229	2012
07.1.6	Mixes for bread and ordinary bakery wares	9300 mg/kg	33 & 229	2012
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	9300 mg/kg	33 & 229	2012
08.2.1	Non-heat treated processed meat, poultry, and game products in whole pieces or cuts	2200 mg/kg	33	2012
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts	2200 mg/kg	33	2009
08.3	Processed comminuted meat, poultry, and game products	2200 mg/kg	33	2009
08.4	Edible casings (e.g., sausage casings)	1100 mg/kg	33	2010
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	2200 mg/kg	33	2012
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	2200 mg/kg	33	2012
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	2200 mg/kg	33	2012
09.2.4.1	Cooked fish and fish products	2200 mg/kg	33	2012
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	2200 mg/kg	33	2012
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	2200 mg/kg	33	2012
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	2200 mg/kg	33	2012
09.3.3	Salmon substitutes, caviar, and other fish roe products	2200 mg/kg	33	2012
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	2200 mg/kg	33 & 193	2010
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	2200 mg/kg	33	2012
10.2.1	Liquid egg products	4400 mg/kg	33 & 67	2009
10.2.2	Frozen egg products	1290 mg/kg	33	2009
10.3	Preserved eggs, including alkaline, salted, and canned eggs	1000 mg/kg	33	2012
10.4	Egg-based desserts (e.g., custard)	1400 mg/kg	33	2012
11.1.2	Powdered sugar, powdered dextrose	6600 mg/kg	33 & 56	2006
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1320 mg/kg	33	2009
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	1000 mg/kg	33	2009
12.1.1	Salt	8800 mg/kg	33	2006
12.1.2	Salt Substitutes	4400 mg/kg	33	2012
12.2.2	Seasonings and condiments	2200 mg/kg	33 & 226	2012

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## PHOSPHATES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
12.5	Soups and broths	1500 mg/kg	33 & 127	2012
12.6	Sauces and like products	2200 mg/kg	33	2012
12.9	Soybean-based seasonings and condiments	1200 mg/kg	33	2012
13.2	Complementary foods for infants and young children	4400 mg/kg	33 & 230	2012
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	2200 mg/kg	33	2009
13.4	Dietetic formulae for slimming purposes and weight reduction	2200 mg/kg	33	2009
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	2200 mg/kg	33	2009
13.6	Food supplements	2200 mg/kg	33	2010
14.1.2.1	Fruit juice	1000 mg/kg	33, 40 & 122	2005
14.1.2.3	Concentrates for fruit juice	1000 mg/kg	33, 40, 122 & 127	2005
14.1.3.1	Fruit nectar	1000 mg/kg	33, 40 & 122	2005
14.1.3.3	Concentrates for fruit nectar	1000 mg/kg	33, 40, 122 & 127	2005
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	33	2012
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	300 mg/kg	33 & 160	2012
14.2.2	Cider and perry	880 mg/kg	33	2010
14.2.5	Mead	440 mg/kg	33 & 88	2009
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	440 mg/kg	33 & 88	2009
15.0	Ready-to-eat savouries	2200 mg/kg	33	2009

**POLYDEXTROSES**

INS 1200 Polydextroses

Functional Class: Bulking agent, Glazing agent, Humectant, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	236	2013

**POLYDIMETHYLSILOXANE**

INS 900a Polydimethylsiloxane

Functional Class: Anticaking agent, Antifoaming agent, Emulsifier

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.5.1	Milk powder and cream powder (plain)	10 mg/kg		1999
02.1.2	Vegetable oils and fats	10 mg/kg		2006
02.1.3	Lard, tallow, fish oil, and other animal fats	10 mg/kg		2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	10 mg/kg	152	2007

Table One

## POLYDIMETHYLSILOXANE

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.3	Fruit in vinegar, oil, or brine	10 mg/kg		1999
04.1.2.4	Canned or bottled (pasteurized) fruit	10 mg/kg		1999
04.1.2.5	Jams, jellies, marmelades	30 mg/kg		1999
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	10 mg/kg		1999
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	110 mg/kg		1999
04.1.2.10	Fermented fruit products	10 mg/kg		2008
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	10 mg/kg	15	1999
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	10 mg/kg		1999
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	10 mg/kg		1999
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	10 mg/kg		1999
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	50 mg/kg		2004
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	10 mg/kg		2008
05.1.5	Imitation chocolate, chocolate substitute products	10 mg/kg		1999
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	10 mg/kg		1999
05.3	Chewing gum	100 mg/kg		1999
06.4.3	Pre-cooked pastas and noodles and like products	50 mg/kg	153	2007
06.6	Batters (e.g., for breading or batters for fish or poultry)	10 mg/kg		1999
12.5	Soups and broths	10 mg/kg		1999
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		2004
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		2004
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	50 mg/kg		2004
13.6	Food supplements	50 mg/kg		2004
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	20 mg/kg		1999
14.2.1	Beer and malt beverages	10 mg/kg		1999
14.2.2	Cider and perry	10 mg/kg		1999
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	10 mg/kg		1999

Table One

## POLYDIMETHYLSILOXANE

**POLYETHYLENE GLYCOL**

INS 1521 Polyethylene glycol Functional Class: Antifoaming agent, Carrier, Emulsifier, Glazing agent, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.1.2	Surface-treated fresh fruit	GMP		2001
05.3	Chewing gum	20000 mg/kg		2001
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	10000 mg/kg		2001
13.6	Food supplements	70000 mg/kg		2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg		2001

**POLYSORBATES**

INS 432 Polyoxyethylene (20) sorbitan monolaurate Functional Class: Emulsifier, Stabilizer

INS 433 Polyoxyethylene (20) sorbitan monooleate Functional Class: Emulsifier, Stabilizer

INS 434 Polyoxyethylene (20) sorbitan monopalmitate Functional Class: Emulsifier

INS 435 Polyoxyethylene (20) sorbitan monostearate Functional Class: Emulsifier, Stabilizer

INS 436 Polyoxyethylene (20) sorbitan tristearate Functional Class: Emulsifier, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	3000 mg/kg		2008
01.3.2	Beverage whiteners	4000 mg/kg		2007
01.4.1	Pasteurized cream (plain)	1000 mg/kg		2008
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	1000 mg/kg		2008
01.4.3	Clotted cream (plain)	1000 mg/kg		2008
01.4.4	Cream analogues	5000 mg/kg		2005
01.5.2	Milk and cream powder analogues	4000 mg/kg		2007
01.6.1	Unripened cheese	80 mg/kg	38	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	3000 mg/kg		2007
02.1.2	Vegetable oils and fats	5000 mg/kg	102	2007
02.1.3	Lard, tallow, fish oil, and other animal fats	5000 mg/kg	102	2007
02.2.2	Fat spreads, dairy fat spreads and blended spreads	5000 mg/kg	102	2007
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	5000 mg/kg	102	2007

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## POLYSORBATES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	3000 mg/kg	102	2007
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg		2005
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1000 mg/kg	154	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	3000 mg/kg		2007
04.1.2.11	Fruit fillings for pastries	3000 mg/kg		2007
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	3000 mg/kg		2007
05.1.2	Cocoa mixes (syrups)	500 mg/kg		2007
05.1.3	Cocoa-based spreads, including fillings	1000 mg/kg		2007
05.1.4	Cocoa and chocolate products	5000 mg/kg	101	2007
05.1.5	Imitation chocolate, chocolate substitute products	5000 mg/kg		2007
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	1000 mg/kg		2007
05.3	Chewing gum	5000 mg/kg		2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	3000 mg/kg		2007
06.4.2	Dried pastas and noodles and like products	5000 mg/kg		2008
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/kg	153	2007
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	3000 mg/kg		2005
06.6	Batters (e.g., for breading or batters for fish or poultry)	5000 mg/kg	2	2007
07.1.1	Breads and rolls	3000 mg/kg		2008
07.1.2	Crackers, excluding sweet crackers	5000 mg/kg	11	2008
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	3000 mg/kg	11	2008
07.1.4	Bread-type products, including bread stuffing and bread crumbs	3000 mg/kg	11	2008
07.1.5	Steamed breads and buns	3000 mg/kg	11	2008
07.1.6	Mixes for bread and ordinary bakery wares	3000 mg/kg	11	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	3000 mg/kg		2008
08.2	Processed meat, poultry, and game products in whole pieces or cuts	5000 mg/kg		2007
08.3	Processed comminuted meat, poultry, and game products	5000 mg/kg		2007
08.4	Edible casings (e.g., sausage casings)	1500 mg/kg		2007
10.4	Egg-based desserts (e.g., custard)	3000 mg/kg		2007
12.1.1	Salt	10 mg/kg		2006
12.2.1	Herbs and spices	2000 mg/kg		2008

Table One

## POLYSORBATES

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
12.2.2	Seasonings and condiments	5000 mg/kg		2007
12.5	Soups and broths	1000 mg/kg		2005
12.6.1	Emulsified sauces and dips (e.g., mayonnaise, salad dressing, onion dip)	3000 mg/kg		2007
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	5000 mg/kg		2007
12.6.3	Mixes for sauces and gravies	5000 mg/kg	127	2007
12.6.4	Clear sauces (e.g., fish sauce)	5000 mg/kg		2007
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	2000 mg/kg		2007
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1000 mg/kg		2005
13.4	Dietetic formulae for slimming purposes and weight reduction	1000 mg/kg		2005
13.6	Food supplements	25000 mg/kg		2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg	127	2007
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	120 mg/kg		2007
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	120 mg/kg		2007

**POLYVINYL ALCOHOL**

INS 1203 Polyvinyl alcohol Functional Class: Glazing agent, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
13.6	Food supplements	45000 mg/kg		2007

**POLYVINYLPYRROLIDONE**

INS 1201 Polyvinylpyrrolidone Functional Class: Emulsifier, Glazing agent, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.1.2	Surface-treated fresh fruit	GMP		1999
05.3	Chewing gum	10000 mg/kg		1999
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	3000 mg/kg		1999
12.3	Vinegars	40 mg/kg		1999
13.6	Food supplements	GMP		1999
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	500 mg/kg		1999
14.2.1	Beer and malt beverages	10 mg/kg	36	1999
14.2.2	Cider and perry	2 mg/kg	36	1999

## POLYVINYLPIRROLIDONE

**PONCEAU 4R (COCHINEAL RED A)**

INS 124 Ponceau 4R (Cochineal red A) Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg/kg	52 & 161	2008
01.6.1	Unripened cheese	100 mg/kg	3 & 161	2008
01.6.2.2	Rind of ripened cheese	100 mg/kg		2008
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	100 mg/kg		2008
01.6.5	Cheese analogues	100 mg/kg	3	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg	161	2008
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	50 mg/kg		2008
03.0	Edible ices, including sherbet and sorbet	50 mg/kg		2008
04.1.2.4	Canned or bottled (pasteurized) fruit	300 mg/kg	161	2008
04.1.2.5	Jams, jellies, marmelades	100 mg/kg	161	2008
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg	161	2008
04.1.2.7	Candied fruit	200 mg/kg	161	2008
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	50 mg/kg	161 & 182	2008
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	50 mg/kg	161	2008
04.1.2.11	Fruit fillings for pastries	50 mg/kg	161	2008
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	500 mg/kg	161	2008
05.1.4	Cocoa and chocolate products	300 mg/kg	183	2008
05.1.5	Imitation chocolate, chocolate substitute products	50 mg/kg		2008
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg	161	2008
05.3	Chewing gum	300 mg/kg		2008
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	50 mg/kg		2008
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	50 mg/kg		2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	50 mg/kg		2008
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	16	2008
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16 & 95	2008
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16 & 95	2008



Table One

## PONCEAU 4R (COCHINEAL RED A)

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.2.4.1	Cooked fish and fish products	500 mg/kg	95	2008
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		2008
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	22	2008
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		2008
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	100 mg/kg		2008
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		2008
10.1	Fresh eggs	500 mg/kg	4	2008
10.4	Egg-based desserts (e.g., custard)	50 mg/kg		2008
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg	159	2008
12.2.2	Seasonings and condiments	500 mg/kg		2008
12.4	Mustards	300 mg/kg		2008
12.5	Soups and broths	50 mg/kg		2008
12.6	Sauces and like products	50 mg/kg		2008
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	200 mg/kg		2008
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		2008
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		2008
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		2008
13.6	Food supplements	300 mg/kg		2008
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50 mg/kg		2008
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		2008
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		2008
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		2008
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		2008

**POTASSIUM ACETATES**

INS 261

Potassium acetates

Functional Class: Acidity regulator, Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
13.2	Complementary foods for infants and young children	GMP	239	2013

Table One

## POTASSIUM ALGINATE

**POTASSIUM ALGINATE**

INS 402 Potassium alginate

Functional Class: Bulking agent, Carrier, Emulsifier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**POTASSIUM ASCORBATE**

INS 303 Potassium ascorbate

Functional Class: Antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.2.1	Fruit juice	GMP		2005
14.1.2.3	Concentrates for fruit juice	GMP	127	2005
14.1.3.1	Fruit nectar	GMP		2005
14.1.3.3	Concentrates for fruit nectar	GMP	127	2005

**POTASSIUM CARBONATE**

INS 501(i) Potassium carbonate

Functional Class: Acidity regulator, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
06.4.1	Fresh pastas and noodles and like products	11000 mg/kg		2013
06.4.2	Dried pastas and noodles and like products	GMP	256	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	2013
13.1.1	Infant formulae	2000 mg/kg	55 & 72	2013
13.1.2	Follow-up formulae	GMP	72	2013
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

Table One

## POTASSIUM CARBONATE

**POTASSIUM CHLORIDE**

INS 508 Potassium chloride Functional Class: Flavour enhancer, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013

**POTASSIUM DIHYDROGEN CITRATE**

INS 332(i) Potassium dihydrogen citrate Functional Class: Acidity regulator, Sequestrant, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.1.2	Buttermilk (plain)	GMP	261	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	61	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	61	2013
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	266 & 267	2013
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP	258	2013
12.1.2	Salt Substitutes	GMP		2013
13.1.2	Follow-up formulae	GMP	72	2013
13.2	Complementary foods for infants and young children	GMP	239	2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

## POTASSIUM HYDROGEN CARBONATE

INS 501(ii) Potassium hydrogen carbonate Functional Class: Acidity regulator, Raising agent, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	2013
13.1.1	Infant formulae	2000 mg/kg	55 & 72	2013
13.1.2	Follow-up formulae	GMP	72	2013
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	2013
13.2	Complementary foods for infants and young children	GMP		2013

## POTASSIUM HYDROXIDE

INS 525 Potassium hydroxide Functional Class: Acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
13.1.1	Infant formulae	2000 mg/kg	55 & 72	2013
13.1.2	Follow-up formulae	GMP	72	2013
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	2013
13.2	Complementary foods for infants and young children	GMP	239	2013

## POTASSIUM LACTATE

INS 326 Potassium lactate Functional Class: Acidity regulator, Antioxidant, Emulsifier, Humectant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.1.2	Buttermilk (plain)	GMP	261	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP		2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
13.2	Complementary foods for infants and young children	GMP	83 & 239	2013

## POWDERED CELLULOSE

INS 460(ii) Powdered cellulose Functional Class: Anticaking agent, Bulking agent, Emulsifier, Glazing agent, Humectant, Stabilizer, Thickener

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		2006

### PROCESSED EUCHEUMA SEAWEED (PES)

INS 407a Processed eucheuma seaweed Functional Class: Bulking agent, Carrier, Emulsifier, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener (PES)

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013

### PROPIONIC ACID

INS 280 Propionic acid Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.6.6	Whey protein cheese	3000 mg/kg	70	2006

### PROPYL GALLATE

INS 310 Propyl gallate Functional Class: Antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.5.1	Milk powder and cream powder (plain)	200 mg/kg	15, 75 & 196	2001
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	90 mg/kg	2 & 15	2001
02.1.1	Butter oil, anhydrous milkfat, ghee	100 mg/kg	15, 133 & 171	2006
02.1.2	Vegetable oils and fats	200 mg/kg	15 & 130	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg	15 & 130	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	200 mg/kg	15 & 130	2004
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg	15 & 130	2004

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	15 & 130	2004
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	90 mg/kg	2 & 15	2001
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	50 mg/kg	15, 76 & 196	2001
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	200 mg/kg	15 & 130	2001
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	15 & 130	2001
05.3	Chewing gum	1000 mg/kg	130	2001
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	15 & 130	2001
06.1	Whole, broken, or flaked grain, including rice	100 mg/kg	15	2001
06.3	Breakfast cereals, including rolled oats	200 mg/kg	15 & 196	2001
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg	15, 130 & 211	2012
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	90 mg/kg	2 & 15	2001
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	100 mg/kg	15 & 130	2001
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	200 mg/kg	15 & 196	2001
08.2	Processed meat, poultry, and game products in whole pieces or cuts	200 mg/kg	15 & 130	2001
08.3	Processed comminuted meat, poultry, and game products	200 mg/kg	15 & 130	2001
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	15 & 196	2001
10.4	Egg-based desserts (e.g., custard)	90 mg/kg	2 & 15	2001
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	15 & 130	2001
12.5	Soups and broths	200 mg/kg	15, 127 & 130	2012
12.6	Sauces and like products	200 mg/kg	15 & 130	2001
13.6	Food supplements	400 mg/kg	15 & 196	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	15	2001
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	15 & 130	2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	200 mg/kg	15 & 130	2005

## PROPYLENE GLYCOL ESTERS OF FATTY ACIDS

INS 477 Propylene glycol esters of fatty acids Functional Class: Emulsifier acids

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
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Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	5000 mg/kg		2001
01.3.2	Beverage whiteners	1000 mg/kg		2001
01.4.4	Cream analogues	5000 mg/kg	86	2001
01.5.2	Milk and cream powder analogues	100000 mg/kg		2001
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg		2001
02.1.2	Vegetable oils and fats	10000 mg/kg		2006
02.1.3	Lard, tallow, fish oil, and other animal fats	10000 mg/kg		2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	20000 mg/kg		2001
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	30000 mg/kg		2001
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	40000 mg/kg		2006
03.0	Edible ices, including sherbet and sorbet	5000 mg/kg		2001
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	40000 mg/kg		2001
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	40000 mg/kg		2001
04.1.2.11	Fruit fillings for pastries	40000 mg/kg		2001
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	5000 mg/kg		2001
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	5000 mg/kg	97	2007
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/kg		2001
05.3	Chewing gum	20000 mg/kg		2001
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	40000 mg/kg		2001
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/kg	2 & 153	2007
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	40000 mg/kg		2001
07.0	Bakery wares	15000 mg/kg	11 & 72	2001
10.4	Egg-based desserts (e.g., custard)	40000 mg/kg		2001
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000 mg/kg		2001
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg		2001
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg		2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		2001

## PROTEASE

INS 1101(i) Protease Functional Class: Flavour enhancer, Flour treatment agent, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
06.2.1	Flours	GMP		1999

## QUILLAIA EXTRACTS

INS 999(i) Quillaia extract type 1 Functional Class: Emulsifier, Foaming agent

INS 999(ii) Quillaia extract type 2 Functional Class: Emulsifier, Foaming agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50 mg/kg	132 & 168	2007

## RIBOFLAVINS

INS 101(i) Riboflavin, synthetic Functional Class: Colour

INS 101(ii) Riboflavin 5'-phosphate sodium Functional Class: Colour

INS 101(iii) Riboflavin from *Bacillus subtilis* Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300 mg/kg	52	2008
01.3.2	Beverage whiteners	300 mg/kg		2005
01.5.2	Milk and cream powder analogues	300 mg/kg		2005
01.6.1	Unripened cheese	300 mg/kg		2005
01.6.2.1	Ripened cheese, includes rind	300 mg/kg		2005
01.6.2.2	Rind of ripened cheese	300 mg/kg		2005
01.6.4	Processed cheese	300 mg/kg		2005
01.6.5	Cheese analogues	300 mg/kg		2005
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg		2005
02.2.2	Fat spreads, dairy fat spreads and blended spreads	300 mg/kg		2005
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	300 mg/kg		2008
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	300 mg/kg		2005
03.0	Edible ices, including sherbet and sorbet	500 mg/kg		2005
04.1.1.2	Surface-treated fresh fruit	300 mg/kg	4 & 16	2008
04.1.2.4	Canned or bottled (pasteurized) fruit	300 mg/kg		2005
04.1.2.5	Jams, jellies, marmelades	200 mg/kg		2005



Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		2005
04.1.2.7	Candied fruit	300 mg/kg		2005
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	300 mg/kg	182	2008
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 mg/kg		2005
04.1.2.10	Fermented fruit products	500 mg/kg		2008
04.1.2.11	Fruit fillings for pastries	300 mg/kg		2005
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	300 mg/kg	4 & 16	2008
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	500 mg/kg		2005
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	300 mg/kg	92	2008
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	500 mg/kg		2008
05.1.5	Imitation chocolate, chocolate substitute products	1000 mg/kg		2005
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	1000 mg/kg		2005
05.3	Chewing gum	1000 mg/kg		2005
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg		2005
06.3	Breakfast cereals, including rolled oats	300 mg/kg		2005
06.4.3	Pre-cooked pastas and noodles and like products	300 mg/kg	153	2008
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 mg/kg		2005
06.6	Batters (e.g., for breading or batters for fish or poultry)	300 mg/kg		2005
06.8.1	Soybean-based beverages	50 mg/kg		2010
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	300 mg/kg		2005
08.2	Processed meat, poultry, and game products in whole pieces or cuts	1000 mg/kg	16	2008
08.3	Processed comminuted meat, poultry, and game products	1000 mg/kg	16	2008
08.4	Edible casings (e.g., sausage casings)	1000 mg/kg	16	2008
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	95	2008
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	16	2005
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	16	2005
09.2.4.1	Cooked fish and fish products	300 mg/kg	95	2008

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	300 mg/kg		2008
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	16	2005
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	22	2005
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	300 mg/kg	16	2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	300 mg/kg	16	2005
09.3.3	Salmon substitutes, caviar, and other fish roe products	300 mg/kg		2005
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	300 mg/kg		2005
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	95	2008
10.1	Fresh eggs	300 mg/kg	4	2005
10.4	Egg-based desserts (e.g., custard)	300 mg/kg		2005
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	300 mg/kg		2005
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg		2005
12.2.2	Seasonings and condiments	350 mg/kg		2005
12.4	Mustards	300 mg/kg		2005
12.5	Soups and broths	200 mg/kg		2005
12.6	Sauces and like products	350 mg/kg		2005
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	300 mg/kg		2005
12.9.1	Fermented soybean paste (e.g., miso)	30 mg/kg		2010
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	300 mg/kg		2005
13.4	Dietetic formulae for slimming purposes and weight reduction	300 mg/kg		2005
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		2005
13.6	Food supplements	300 mg/kg		2005
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50 mg/kg		2005
14.2.2	Cider and perry	300 mg/kg		2005
14.2.4	Wines (other than grape)	300 mg/kg		2005
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	100 mg/kg		2005
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg		2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	1000 mg/kg		2005

Table One

**SACCHARINS**

INS 954(i)	Saccharin	Functional Class: Sweetener
INS 954(ii)	Calcium saccharin	Functional Class: Sweetener
INS 954(iii)	Potassium saccharin	Functional Class: Sweetener
INS 954(iv)	Sodium saccharin	Functional Class: Sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	80 mg/kg	161	2007
01.6.5	Cheese analogues	100 mg/kg	161	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg	161	2007
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	100 mg/kg	161	2007
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	161	2007
04.1.2.3	Fruit in vinegar, oil, or brine	160 mg/kg	144	2007
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	161	2007
04.1.2.5	Jams, jellies, marmelades	200 mg/kg	161	2007
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	200 mg/kg	161	2007
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	200 mg/kg	161	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	100 mg/kg	161	2007
04.1.2.10	Fermented fruit products	160 mg/kg	161	2008
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	161	2008
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	161	2008
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	160 mg/kg	144	2007
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	160 mg/kg	144 & 161	2008
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	160 mg/kg	161	2008
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg	161	2008
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	200 mg/kg	161	2008

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	160 mg/kg	144 & 161	2008
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	100 mg/kg	97 & 161	2008
05.1.2	Cocoa mixes (syrups)	80 mg/kg	161	2007
05.1.3	Cocoa-based spreads, including fillings	200 mg/kg	161	2007
05.1.4	Cocoa and chocolate products	500 mg/kg	161	2007
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg	161	2007
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	500 mg/kg	161 & 163	2007
05.3	Chewing gum	2500 mg/kg	161	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg	161	2007
06.3	Breakfast cereals, including rolled oats	100 mg/kg	161	2008
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	100 mg/kg	161	2007
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	170 mg/kg	165	2007
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	500 mg/kg	161	2008
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	500 mg/kg	161	2008
09.2.4.1	Cooked fish and fish products	500 mg/kg	161	2008
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	160 mg/kg	144	2007
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	160 mg/kg	144	2007
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	160 mg/kg	144	2007
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	144	2007
10.4	Egg-based desserts (e.g., custard)	100 mg/kg	144	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg	159	2008
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		2007
12.2.2	Seasonings and condiments	1500 mg/kg	161	2008
12.3	Vinegars	300 mg/kg		2008
12.4	Mustards	320 mg/kg		2007
12.5	Soups and broths	110 mg/kg	161	2007
12.6	Sauces and like products	160 mg/kg		2007
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	200 mg/kg	161 & 166	2010
12.9.1	Fermented soybean paste (e.g., miso)	200 mg/kg		2012
12.9.2.1	Fermented soybean sauce	500 mg/kg		2012

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	200 mg/kg		2007
13.4	Dietetic formulae for slimming purposes and weight reduction	300 mg/kg		2007
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	200 mg/kg		2007
13.6	Food supplements	1200 mg/kg		2007
14.1.3.1	Fruit nectar	80 mg/kg		2005
14.1.3.2	Vegetable nectar	80 mg/kg	161	2008
14.1.3.3	Concentrates for fruit nectar	80 mg/kg	127	2005
14.1.4.1	Carbonated water-based flavoured drinks	300 mg/kg	161	2008
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	300 mg/kg	161	2008
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	300 mg/kg	127 & 161	2008
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	200 mg/kg	160	2007
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	80 mg/kg		2007
15.0	Ready-to-eat savouries	100 mg/kg		2007

### **SALTS OF MYRISTIC, PALMITIC AND STEARIC ACIDS WITH AMMONIA, CALCIUM, POTASSIUM AND SODIUM**

INS 470(i) Salts of myristic, palmitic and stearic acids with ammonia, calcium, potassium and sodium Functional Class: Anticaking agent, Emulsifier, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
12.1.1	Salt	GMP	71	2006

### **SALTS OF OLEIC ACID WITH CALCIUM, POTASSIUM AND SODIUM**

INS 470(ii) Salts of oleic acid with calcium, potassium and sodium Functional Class: Anticaking agent, Emulsifier, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013

Table One

**SHELLAC, BLEACHED**

INS 904 Shellac, bleached Functional Class: Glazing agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.1.2	Surface-treated fresh fruit	GMP		2003
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	79	2003
05.1.4	Cocoa and chocolate products	GMP	3	2001
05.1.5	Imitation chocolate, chocolate substitute products	GMP	3	2001
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	3	2001
05.3	Chewing gum	GMP	3	2003
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2003
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP	3	2001
13.6	Food supplements	GMP	3	2001
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	108	2001
15.0	Ready-to-eat savouries	GMP	3	2001

**SILICON DIOXIDE, AMORPHOUS**

INS 551 Silicon dioxide, amorphous Functional Class: Anticaking agent, Antifoaming agent, Carrier

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		2006
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	56	2006
12.1.1	Salt	GMP		2006

**SODIUM ACETATE**

INS 262(i) Sodium acetate Functional Class: Acidity regulator, Preservative, Sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
06.4.1	Fresh pastas and noodles and like products	6000 mg/kg		2013
06.4.2	Dried pastas and noodles and like products	GMP	256	2013
10.2.1	Liquid egg products	GMP		2013
10.2.2	Frozen egg products	GMP		2013

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
12.1.2	Salt Substitutes	GMP		2013
13.2	Complementary foods for infants and young children	GMP	239	2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

## SODIUM ALGINATE

INS 401 Sodium alginate Functional Class: Bulking agent, Carrier, Emulsifier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

## SODIUM ALUMINIUM PHOSPHATES

INS 541(i) Sodium aluminium phosphate, acidic Functional Class: Acidity regulator, Emulsifier, Raising agent, Stabilizer, Thickener

INS 541(ii) Sodium aluminium phosphate, basic Functional Class: Acidity regulator, Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.6.4	Processed cheese	1600 mg/kg	6 & 251	2013
06.2.1	Flours	1600 mg/kg	6 & 252	2013
06.6	Batters (e.g., for breading or batters for fish or poultry)	1000 mg/kg	6	2013
07.1.2	Crackers, excluding sweet crackers	100 mg/kg	6 & 246	2013
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	100 mg/kg	6, 244 & 246	2013
07.1.5	Steamed breads and buns	40 mg/kg	6, 246 & 248	2013
07.1.6	Mixes for bread and ordinary bakery wares	40 mg/kg	6, 246 & 249	2013

## SODIUM ALUMINOSILICATE

INS 554 Sodium aluminosilicate Functional Class: Anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	60 mg/kg	6 & 253	2013
01.3.2	Beverage whiteners	570 mg/kg	6 & 260	2013
01.5.1	Milk powder and cream powder (plain)	265 mg/kg	6 & 259	2013
01.5.2	Milk and cream powder analogues	570 mg/kg	6 & 259	2013

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.8.2	Dried whey and whey products, excluding whey cheeses	1140 mg/kg	6	2013
05.3	Chewing gum	100 mg/kg	6 & 174	2013
12.1.1	Salt	1000 mg/kg	6 & 254	2013
12.2.2	Seasonings and condiments	1000 mg/kg	6 & 255	2013
12.5.2	Mixes for soups and broths	570 mg/kg	6	2013
12.6.3	Mixes for sauces and gravies	570 mg/kg	6	2013

## SODIUM ASCORBATE

INS 301 Sodium ascorbate Functional Class: Antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.2.1	Fruit juice	GMP		2005
14.1.2.3	Concentrates for fruit juice	GMP	127	2005
14.1.3.1	Fruit nectar	GMP		2005
14.1.3.3	Concentrates for fruit nectar	GMP	127	2005

## SODIUM CARBONATE

INS 500(i) Sodium carbonate Functional Class: Acidity regulator, Anticaking agent, Raising agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP		2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
02.2.1	Butter	GMP		2008
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
06.4.1	Fresh pastas and noodles and like products	10000 mg/kg		2013
06.4.2	Dried pastas and noodles and like products	GMP	256	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	2013
12.1.2	Salt Substitutes	GMP		2013
13.1.1	Infant formulae	2000 mg/kg	55 & 72	2013
13.1.2	Follow-up formulae	GMP	72	2013
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	2013



Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
13.2	Complementary foods for infants and young children	GMP	240 & 243	2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

## SODIUM CARBOXYMETHYL CELLULOSE (CELLULOSE GUM)

INS 466 Sodium carboxymethyl cellulose Functional Class: Bulking agent, Emulsifier, Firming agent, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener (Cellulose gum)

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

## SODIUM DIHYDROGEN CITRATE

INS 331(i) Sodium dihydrogen citrate Functional Class: Acidity regulator, Emulsifier, Sequestrant, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.1.2	Buttermilk (plain)	GMP	261	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
02.1.1	Butter oil, anhydrous milkfat, ghee	GMP	171	2006
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	61	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	61	2013
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	266 & 267	2013
10.2.1	Liquid egg products	GMP		2013
10.2.2	Frozen egg products	GMP		2013
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP	258	2013
12.1.2	Salt Substitutes	GMP		2013

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
13.1.2	Follow-up formulae	GMP	72	2013
13.2	Complementary foods for infants and young children	5000 mg/kg	238	2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

## SODIUM DL-MALATE

INS 350(ii) Sodium DL-malate Functional Class: Acidity regulator, Humectant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
06.4.1	Fresh pastas and noodles and like products	GMP		2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

## SODIUM FUMARATES

INS 365 Sodium fumarates Functional Class: Acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	2013
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	266 & 267	2013
12.1.2	Salt Substitutes	GMP		2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

## SODIUM GLUCONATE

INS 576 Sodium gluconate Functional Class: Sequestrant, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
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Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013

## SODIUM HYDROGEN CARBONATE

INS 500(ii) Sodium hydrogen carbonate Functional Class: Acidity regulator, Anticaking agent, Raising agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP		2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
02.2.1	Butter	GMP		2008
06.4.1	Fresh pastas and noodles and like products	GMP		2013
06.4.2	Dried pastas and noodles and like products	GMP	256	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	2013
13.1.1	Infant formulae	2000 mg/kg	55 & 72	2013
13.1.2	Follow-up formulae	GMP	72	2013
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	2013
13.2	Complementary foods for infants and young children	GMP	240	2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

## SODIUM HYDROXIDE

INS 524 Sodium hydroxide Functional Class: Acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
02.2.1	Butter	GMP		2008
13.1.1	Infant formulae	2000 mg/kg	55 & 72	2013
13.1.2	Follow-up formulae	GMP	72	2013
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	2013
13.2	Complementary foods for infants and young children	GMP	239	2013

Table One

**SODIUM LACTATE**

INS 325 Sodium lactate Functional Class: Acidity regulator, Antioxidant, Bulking agent, Emulsifier, Humectant, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.1.2	Buttermilk (plain)	GMP	261	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP		2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
06.4.1	Fresh pastas and noodles and like products	GMP		2013
06.4.2	Dried pastas and noodles and like products	GMP	256	2013
10.2.1	Liquid egg products	GMP		2013
10.2.2	Frozen egg products	GMP		2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

**SODIUM PROPIONATE**

INS 281 Sodium propionate Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.6.6	Whey protein cheese	3000 mg/kg	70	2006

**SODIUM SESQUICARBONATE**

INS 500(iii) Sodium sesquicarbonate Functional Class: Acidity regulator, Anticaking agent, Raising agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.1	Pasteurized cream (plain)	GMP		2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	2013

## SORBATES

INS 200	Sorbic acid	Functional Class: Preservative
INS 201	Sodium sorbate	Functional Class: Preservative
INS 202	Potassium sorbate	Functional Class: Preservative
INS 203	Calcium sorbate	Functional Class: Preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	1000 mg/kg	42 & 220	2012
01.2.2	Renneted milk (plain)	1000 mg/kg	42	2012
01.3.2	Beverage whiteners	200 mg/kg	42	2009
01.6.1	Unripened cheese	1000 mg/kg	42 & 223	2012
01.6.2	Ripened cheese	3000 mg/kg	42	2012
01.6.3	Whey cheese	1000 mg/kg	42	2006
01.6.4	Processed cheese	3000 mg/kg	42	2012
01.6.5	Cheese analogues	3000 mg/kg	3 & 42	2010
01.6.6	Whey protein cheese	3000 mg/kg	42	2006
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	1000 mg/kg	42	2012
02.2.2	Fat spreads, dairy fat spreads and blended spreads	2000 mg/kg	42	2009
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000 mg/kg	42	2009
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1000 mg/kg	42	2010
04.1.2.2	Dried fruit	500 mg/kg	42	2012
04.1.2.3	Fruit in vinegar, oil, or brine	1000 mg/kg	42	2009
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	42	2012
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	42	2009
04.1.2.7	Candied fruit	500 mg/kg	42	2012
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1000 mg/kg	42	2012
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/kg	42	2012
04.1.2.10	Fermented fruit products	1000 mg/kg	42	2009
04.1.2.11	Fruit fillings for pastries	1000 mg/kg	42	2009
04.1.2.12	Cooked fruit	1200 mg/kg	42	2009
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	1000 mg/kg	42	2012
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1000 mg/kg	42	2012

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	1000 mg/kg	42	2012
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	1000 mg/kg	42	2012
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	1000 mg/kg	42 & 221	2012
05.1.2	Cocoa mixes (syrups)	1000 mg/kg	42	2012
05.1.3	Cocoa-based spreads, including fillings	1000 mg/kg	42	2012
05.1.5	Imitation chocolate, chocolate substitute products	1500 mg/kg	42	2009
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	1500 mg/kg	42	2012
05.3	Chewing gum	1500 mg/kg	42	2009
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg	42	2012
06.4.3	Pre-cooked pastas and noodles and like products	2000 mg/kg	42 & 211	2012
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1000 mg/kg	42	2012
06.6	Batters (e.g., for breading or batters for fish or poultry)	2000 mg/kg	42	2009
07.0	Bakery wares	1000 mg/kg	42	2012
09.2.4.1	Cooked fish and fish products	2000 mg/kg	42	2009
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	2000 mg/kg	42 & 82	2009
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	42	2012
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	42	2012
10.2.1	Liquid egg products	5000 mg/kg	42	2009
10.2.2	Frozen egg products	1000 mg/kg	42	2009
10.2.3	Dried and/or heat coagulated egg products	1000 mg/kg	42	2009
10.4	Egg-based desserts (e.g., custard)	1000 mg/kg	42	2009
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg/kg	42	2009
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	1000 mg/kg	42 & 192	2010
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	1000 mg/kg	42	2009
12.4	Mustards	1000 mg/kg	42	2012
12.5	Soups and broths	1000 mg/kg	42	2012
12.6	Sauces and like products	1000 mg/kg	42 & 127	2012

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1500 mg/kg	42	2009
12.9.1	Fermented soybean paste (e.g., miso)	1000 mg/kg	42	2010
12.9.2.1	Fermented soybean sauce	1000 mg/kg	42	2010
12.9.2.3	Other soybean sauces	1000 mg/kg	42	2010
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1500 mg/kg	42	2009
13.4	Dietetic formulae for slimming purposes and weight reduction	1500 mg/kg	42	2009
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	1500 mg/kg	42	2012
13.6	Food supplements	2000 mg/kg	42	2012
14.1.2.1	Fruit juice	1000 mg/kg	42, 91 & 122	2005
14.1.2.3	Concentrates for fruit juice	1000 mg/kg	42, 91, 122 & 127	2005
14.1.3.1	Fruit nectar	1000 mg/kg	42, 91 & 122	2005
14.1.3.3	Concentrates for fruit nectar	1000 mg/kg	42, 91, 122 & 127	2005
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg	42 & 127	2012
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	500 mg/kg	42 & 160	2012
14.2.2	Cider and perry	500 mg/kg	42	2012
14.2.3	Grape wines	200 mg/kg	42	2012
14.2.4	Wines (other than grape)	500 mg/kg	42	2012
14.2.5	Mead	200 mg/kg	42	2012
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	500 mg/kg	42 & 224	2012
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg	42	2009
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	1000 mg/kg	42	2009

## STANNOUS CHLORIDE

INS 512

Stannous chloride

Functional Class: Antioxidant, Colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.4	Canned or bottled (pasteurized) fruit	20 mg/kg	43	2001
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	25 mg/kg	43	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	20 mg/kg	43	2001

Table One

**STARCH ACETATE**

INS 1420 Starch acetate Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**STARCH SODIUM OCTENYL SUCCINATE**

INS 1450 Starch sodium octenyl succinate Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013

**STARCHES, ENZYME TREATED**

INS 1405 Starches, enzyme treated Functional Class: Emulsifier, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013

**STEAROYL LACTYLATES**

INS 481(i) Sodium stearoyl lactylate Functional Class: Emulsifier, Flour treatment agent, Foaming agent, Stabilizer

INS 482(i) Calcium stearoyl lactylate Functional Class: Emulsifier, Flour treatment agent, Foaming agent, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.2.2	Fat spreads, dairy fat spreads and blended spreads	10000 mg/kg		2009



Table One

**STEARYL CITRATE**

INS 484

Stearyl citrate

Functional Class: Antioxidant, Emulsifier, Sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.1.2	Vegetable oils and fats	GMP		2006
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	100 mg/kg	15	2012
05.3	Chewing gum	15000 mg/kg		1999
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		1999

**STEVIOI GLYCOSIDES**

INS 960

Steviol glycosides

Functional Class: Sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	200 mg/kg	26 & 201	2011
01.5.2	Milk and cream powder analogues	330 mg/kg	26 & 201	2011
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	330 mg/kg	26	2011
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	330 mg/kg	26	2011
03.0	Edible ices, including sherbet and sorbet	270 mg/kg	26	2011
04.1.2.3	Fruit in vinegar, oil, or brine	100 mg/kg	26	2011
04.1.2.4	Canned or bottled (pasteurized) fruit	330 mg/kg	26	2011
04.1.2.5	Jams, jellies, marmelades	360 mg/kg	26	2011
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	330 mg/kg	26	2011
04.1.2.7	Candied fruit	40 mg/kg	26	2011
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	330 mg/kg	26	2011
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	350 mg/kg	26	2011
04.1.2.10	Fermented fruit products	115 mg/kg	26	2011
04.1.2.11	Fruit fillings for pastries	330 mg/kg	26	2011
04.1.2.12	Cooked fruit	40 mg/kg	26	2011
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	40 mg/kg	26	2011
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	330 mg/kg	26	2011
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	70 mg/kg	26	2011

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	330 mg/kg	26	2011
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	165 mg/kg	26	2011
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	200 mg/kg	26	2011
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	40 mg/kg	26	2011
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	700 mg/kg	26 & 199	2012
05.3	Chewing gum	3500 mg/kg	26	2011
06.3	Breakfast cereals, including rolled oats	350 mg/kg	26	2011
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	165 mg/kg	26	2011
06.8.1	Soybean-based beverages	200 mg/kg	26	2011
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	100 mg/kg	26 & 202	2011
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	100 mg/kg	26 & 144	2011
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	165 mg/kg	26	2011
09.3.3	Salmon substitutes, caviar, and other fish roe products	100 mg/kg	26	2011
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	26	2011
10.4	Egg-based desserts (e.g., custard)	330 mg/kg	26	2011
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP	26	2011
12.2.2	Seasonings and condiments	30 mg/kg	26	2011
12.4	Mustards	130 mg/kg	26	2011
12.5	Soups and broths	50 mg/kg	26	2011
12.6.1	Emulsified sauces and dips (e.g., mayonnaise, salad dressing, onion dip)	350 mg/kg	26	2011
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	350 mg/kg	26	2011
12.6.3	Mixes for sauces and gravies	350 mg/kg	26 & 127	2011
12.6.4	Clear sauces (e.g., fish sauce)	350 mg/kg	26	2011
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	115 mg/kg	26	2011
12.9.2.1	Fermented soybean sauce	30 mg/kg	26	2011
12.9.2.2	Non-fermented soybean sauce	165 mg/kg	26	2011

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
12.9.2.3	Other soybean sauces	165 mg/kg	26	2011
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	350 mg/kg	26	2011
13.4	Dietetic formulae for slimming purposes and weight reduction	270 mg/kg	26	2011
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	660 mg/kg	26 & 198	2011
13.6	Food supplements	2500 mg/kg	26 & 203	2011
14.1.3	Fruit and vegetable nectars	200 mg/kg	26	2011
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	26	2011
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	200 mg/kg	26 & 160	2011
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg	26	2011
15.0	Ready-to-eat savouries	170 mg/kg	26	2011

## SUCRALOSE (TRICHLOROGALACTOSUCROSE)

INS 955      Sucralose      Functional Class: Sweetener  
(Trichlorogalactosucrose)

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300 mg/kg	161	2007
01.3.2	Beverage whiteners	580 mg/kg	161	2008
01.4.4	Cream analogues	580 mg/kg	161	2008
01.6.5	Cheese analogues	500 mg/kg	161	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	400 mg/kg	161	2007
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	400 mg/kg	161	2007
03.0	Edible ices, including sherbet and sorbet	320 mg/kg	161	2007
04.1.2.1	Frozen fruit	400 mg/kg	161	2008
04.1.2.2	Dried fruit	1500 mg/kg	161	2008
04.1.2.3	Fruit in vinegar, oil, or brine	180 mg/kg	144	2007
04.1.2.4	Canned or bottled (pasteurized) fruit	400 mg/kg	161	2007
04.1.2.5	Jams, jellies, marmelades	400 mg/kg	161	2007
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	400 mg/kg	161	2007
04.1.2.7	Candied fruit	800 mg/kg	161	2007
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	400 mg/kg	161	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	400 mg/kg	161	2007

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.10	Fermented fruit products	150 mg/kg	161	2007
04.1.2.11	Fruit fillings for pastries	400 mg/kg	161	2007
04.1.2.12	Cooked fruit	150 mg/kg	161	2008
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	150 mg/kg	161	2008
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	580 mg/kg	161	2008
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	400 mg/kg		2007
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	580 mg/kg	161	2008
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	400 mg/kg	161 & 169	2007
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	400 mg/kg	161	2007
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	580 mg/kg	161	2008
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	150 mg/kg	144 & 161	2008
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	580 mg/kg	97	2007
05.1.2	Cocoa mixes (syrups)	400 mg/kg	97 & 161	2007
05.1.3	Cocoa-based spreads, including fillings	400 mg/kg	161 & 169	2007
05.1.4	Cocoa and chocolate products	800 mg/kg	161	2007
05.1.5	Imitation chocolate, chocolate substitute products	800 mg/kg	161	2007
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	1800 mg/kg	161 & 164	2008
05.3	Chewing gum	5000 mg/kg	161	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg	161	2008
06.3	Breakfast cereals, including rolled oats	1000 mg/kg	161	2008
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	400 mg/kg	161	2007
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	200 mg/kg	72	2007
06.8.1	Soybean-based beverages	400 mg/kg		2012
07.1	Bread and ordinary bakery wares	650 mg/kg	161	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	700 mg/kg	161 & 165	2008

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	120 mg/kg	144	2007
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	120 mg/kg	144	2007
10.4	Egg-based desserts (e.g., custard)	400 mg/kg	161	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1500 mg/kg	159 & 161	2008
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		2007
12.2.1	Herbs and spices	400 mg/kg	161	2008
12.2.2	Seasonings and condiments	700 mg/kg	161	2008
12.3	Vinegars	400 mg/kg	161	2008
12.4	Mustards	140 mg/kg		2007
12.5	Soups and broths	600 mg/kg	161	2008
12.6	Sauces and like products	450 mg/kg	127	2007
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1250 mg/kg	161 & 169	2007
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	400 mg/kg		2007
13.4	Dietetic formulae for slimming purposes and weight reduction	320 mg/kg		2007
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	400 mg/kg		2007
13.6	Food supplements	2400 mg/kg		2007
14.1.3.1	Fruit nectar	300 mg/kg		2005
14.1.3.2	Vegetable nectar	300 mg/kg	161	2007
14.1.3.3	Concentrates for fruit nectar	300 mg/kg	127	2005
14.1.3.4	Concentrates for vegetable nectar	300 mg/kg	127 & 161	2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	300 mg/kg	127 & 161	2007
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	300 mg/kg	160 & 161	2007
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	700 mg/kg	161	2008
15.0	Ready-to-eat savouries	1000 mg/kg	161	2008

## SUCROGLYCERIDES

INS 474 Sucroglycerides Functional Class: Emulsifier

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	5000 mg/kg		2009
01.3.2	Beverage whiteners	20000 mg/kg		2010

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.5.1	Milk powder and cream powder (plain)	10000 mg/kg		2009
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg		2009
02.2.2	Fat spreads, dairy fat spreads and blended spreads	10000 mg/kg	102	2010
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10000 mg/kg	102	2009
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	5000 mg/kg		2009
03.0	Edible ices, including sherbet and sorbet	5000 mg/kg		2009
04.1.1.2	Surface-treated fresh fruit	GMP		2009
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	5000 mg/kg		2009
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	5000 mg/kg		2009
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/kg		2009
05.3	Chewing gum	10000 mg/kg		2009
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	5000 mg/kg		2009
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000 mg/kg		2009
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	5000 mg/kg	15	2009
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	5000 mg/kg	15	2009
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		2009
12.5	Soups and broths	2000 mg/kg		2009
12.6	Sauces and like products	10000 mg/kg		2009
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg		2009
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg		2009
13.6	Food supplements	2500 mg/kg		2012
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	219	2012
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000 mg/kg	176	2009
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	5000 mg/kg		2009
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	5000 mg/kg		2012

## SUCROSE ACETATE ISOBUTYRATE

INS 444      Sucrose acetate isobutyrate      Functional Class: Emulsifier, Stabilizer

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		1999

## SULFITES

INS 220	Sulfur dioxide	Functional Class: Antioxidant, Bleaching agent, Flour treatment agent, Preservative		
INS 221	Sodium sulfite	Functional Class: Antioxidant, Bleaching agent, Flour treatment agent, Preservative		
INS 222	Sodium hydrogen sulfite	Functional Class: Antioxidant, Preservative		
INS 223	Sodium metabisulfite	Functional Class: Antioxidant, Bleaching agent, Flour treatment agent, Preservative		
INS 224	Potassium metabisulfite	Functional Class: Antioxidant, Bleaching agent, Flour treatment agent, Preservative		
INS 225	Potassium sulfite	Functional Class: Antioxidant, Preservative		
INS 227	Calcium hydrogen sulfite	Functional Class: Antioxidant, Preservative		
INS 228	Potassium bisulfite	Functional Class: Antioxidant, Preservative		
INS 539	Sodium thiosulfate	Functional Class: Antioxidant, Sequestrant		

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.1.2	Surface-treated fresh fruit	30 mg/kg	44 & 204	2011
04.1.2.1	Frozen fruit	500 mg/kg	44 & 155	2007
04.1.2.2	Dried fruit	1000 mg/kg	44, 135 & 218	2006
04.1.2.3	Fruit in vinegar, oil, or brine	100 mg/kg	44	2006
04.1.2.5	Jams, jellies, marmelades	100 mg/kg	44	2008
04.1.2.7	Candied fruit	100 mg/kg	44	2006
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	44 & 206	2012
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	100 mg/kg	44	2008
04.1.2.10	Fermented fruit products	100 mg/kg	44	2008
04.1.2.11	Fruit fillings for pastries	100 mg/kg	44	2006
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	50 mg/kg	44, 76 & 136	2006
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	50 mg/kg	44, 76, 136 & 137	2006
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	44 & 105	2006
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	100 mg/kg	44	2006
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	50 mg/kg	44	2006

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	500 mg/kg	44 & 138	2006
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	300 mg/kg	44 & 205	2011
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	500 mg/kg	44	2006
06.2.1	Flours	200 mg/kg	44	2006
06.2.2	Starches	50 mg/kg	44	2006
06.4.3	Pre-cooked pastas and noodles and like products	20 mg/kg	44	2006
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	50 mg/kg	44	2006
09.1.2	Fresh mollusks, crustaceans, and echinoderms	100 mg/kg	44	2006
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	44 & 139	2006
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	150 mg/kg	44	2007
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	30 mg/kg	44	2007
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	150 mg/kg	44 & 140	2007
11.1.1	White sugar, dextrose anhydrous, dextrose monohydrate, fructose	15 mg/kg	44	2005
11.1.2	Powdered sugar, powdered dextrose	15 mg/kg	44	2005
11.1.3	Soft white sugar, soft brown sugar, glucose syrup, dried glucose syrup, raw cane sugar	20 mg/kg	44 & 111	2006
11.1.5	Plantation or mill white sugar	70 mg/kg	44	2005
11.2	Brown sugar excluding products of food category 11.1.3	40 mg/kg	44	2006
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	70 mg/kg	44	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	40 mg/kg	44	2006
12.2.1	Herbs and spices	150 mg/kg	44	2006
12.2.2	Seasonings and condiments	200 mg/kg	44	2006
12.3	Vinegars	100 mg/kg	44	2006
12.4	Mustards	250 mg/kg	44 & 106	2007
12.6	Sauces and like products	300 mg/kg	44	2007
14.1.2.1	Fruit juice	50 mg/kg	44 & 122	2005
14.1.2.2	Vegetable juice	50 mg/kg	44 & 122	2006
14.1.2.3	Concentrates for fruit juice	50 mg/kg	44, 122 & 127	2005



Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.2.4	Concentrates for vegetable juice	50 mg/kg	44, 122 & 127	2006
14.1.3.1	Fruit nectar	50 mg/kg	44 & 122	2005
14.1.3.2	Vegetable nectar	50 mg/kg	44 & 122	2006
14.1.3.3	Concentrates for fruit nectar	50 mg/kg	44, 122 & 127	2005
14.1.3.4	Concentrates for vegetable nectar	50 mg/kg	44, 122 & 127	2006
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	70 mg/kg	44, 127 & 143	2006
14.2.1	Beer and malt beverages	50 mg/kg	44	2006
14.2.2	Cider and perry	200 mg/kg	44	2006
14.2.3	Grape wines	350 mg/kg	44 & 103	2006
14.2.4	Wines (other than grape)	200 mg/kg	44	2006
14.2.5	Mead	200 mg/kg	44	2006
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg	44	2006
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	250 mg/kg	44	2011
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	50 mg/kg	44	2006

## SUNSET YELLOW FCF

INS 110 Sunset yellow FCF Functional Class: Colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300 mg/kg	52	2008
01.6.1	Unripened cheese	300 mg/kg	3	2008
01.6.2.2	Rind of ripened cheese	300 mg/kg		2008
01.6.4	Processed cheese	200 mg/kg	3	2008
01.6.5	Cheese analogues	300 mg/kg	3	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg	161	2009
02.1.3	Lard, tallow, fish oil, and other animal fats	300 mg/kg	161	2008
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	50 mg/kg		2008
03.0	Edible ices, including sherbet and sorbet	50 mg/kg		2008
04.1.2.5	Jams, jellies, marmelades	300 mg/kg	161	2008
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	300 mg/kg	161	2008
04.1.2.7	Candied fruit	200 mg/kg	161	2008

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	300 mg/kg	161 & 182	2008
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	50 mg/kg	161	2008
04.1.2.11	Fruit fillings for pastries	300 mg/kg	161	2008
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	300 mg/kg	4 & 16	2008
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	50 mg/kg	92	2008
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	200 mg/kg	92	2008
05.1.4	Cocoa and chocolate products	400 mg/kg	183	2008
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg	161	2008
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg	161	2008
05.3	Chewing gum	300 mg/kg		2008
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	300 mg/kg		2008
06.3	Breakfast cereals, including rolled oats	300 mg/kg	161	2008
06.4.3	Pre-cooked pastas and noodles and like products	300 mg/kg	153	2008
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	50 mg/kg		2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	50 mg/kg		2008
08.1	Fresh meat, poultry, and game	300 mg/kg	4 & 16	2008
08.2	Processed meat, poultry, and game products in whole pieces or cuts	300 mg/kg	16	2008
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	300 mg/kg	16	2008
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	135 mg/kg		2008
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	300 mg/kg	16	2008
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	300 mg/kg	16	2008
08.3.3	Frozen processed comminuted meat, poultry, and game products	300 mg/kg	16	2008
08.4	Edible casings (e.g., sausage casings)	300 mg/kg	16	2008
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	2008
09.1.2	Fresh mollusks, crustaceans, and echinoderms	300 mg/kg	4 & 16	2008
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	95	2008
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	16	2008

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	16 & 95	2008
09.2.4.1	Cooked fish and fish products	300 mg/kg	95	2008
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		2008
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	16	2008
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	22	2008
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	300 mg/kg	16	2008
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	300 mg/kg	16	2008
09.3.3	Salmon substitutes, caviar, and other fish roe products	300 mg/kg		2008
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	300 mg/kg		2008
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	95	2008
10.1	Fresh eggs	GMP	4	2008
10.4	Egg-based desserts (e.g., custard)	50 mg/kg		2008
12.2.2	Seasonings and condiments	300 mg/kg		2008
12.4	Mustards	300 mg/kg		2008
12.5	Soups and broths	50 mg/kg		2008
12.6	Sauces and like products	300 mg/kg		2008
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		2008
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		2008
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		2008
13.6	Food supplements	300 mg/kg		2008
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg	127 & 161	2008
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		2008
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		2008
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		2008

## TALC

INS 553(iii) Talc

Functional Class: Anticaking agent, Glazing agent, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		2006

## TARA GUM

INS 417 Tara gum Functional Class: Gelling agent, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	236	2013

## TARTRATES

INS 334 L(+)-Tartaric acid Functional Class: Acidity regulator, Antioxidant, Flavour enhancer, Sequestrant

INS 335(i) Monosodium tartrate Functional Class: Acidity regulator, Sequestrant, Stabilizer

INS 335(ii) Sodium L(+)-tartrate Functional Class: Acidity regulator, Sequestrant, Stabilizer

INS 336(i) Monopotassium tartrate Functional Class: Acidity regulator, Sequestrant, Stabilizer

INS 336(ii) Dipotassium tartrate Functional Class: Acidity regulator, Sequestrant, Stabilizer

INS 337 Potassium sodium L(+)-tartrate Functional Class: Acidity regulator, Sequestrant, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
14.1.2.1	Fruit juice	4000 mg/kg	45, 128 & 129	2005
14.1.2.3	Concentrates for fruit juice	4000 mg/kg	45, 127, 128 & 129	2005
14.1.3.1	Fruit nectar	4000 mg/kg	45 & 128	2005
14.1.3.3	Concentrates for fruit nectar	4000 mg/kg	45, 127 & 128	2005

## TERTIARY BUTYLHYDROQUINONE

INS 319 Tertiary butylhydroquinone (TBHQ) Functional Class: Antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.3.2	Beverage whiteners	100 mg/kg	15 & 195	2007
02.1.2	Vegetable oils and fats	200 mg/kg	15 & 130	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg	15 & 130	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	200 mg/kg	15 & 130	2005
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg	15 & 130	2005
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	15 & 130	2005
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	15 & 195	2006

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
05.1.4	Cocoa and chocolate products	200 mg/kg	15, 130 & 141	2006
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	15 & 130	2006
05.3	Chewing gum	400 mg/kg	130	2006
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	15 & 130	2006
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg	15 & 130	2006
07.1.1	Breads and rolls	200 mg/kg	15 & 195	2006
07.1.2	Crackers, excluding sweet crackers	200 mg/kg	15 & 195	2006
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	200 mg/kg	15 & 130	2006
07.1.4	Bread-type products, including bread stuffing and bread crumbs	200 mg/kg	15 & 195	2006
08.2	Processed meat, poultry, and game products in whole pieces or cuts	100 mg/kg	15, 130 & 167	2007
08.3	Processed comminuted meat, poultry, and game products	100 mg/kg	15, 130 & 162	2007
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	15 & 130	2005
12.4	Mustards	200 mg/kg	15	2006
12.5	Soups and broths	200 mg/kg	15 & 130	2006
12.6	Sauces and like products	200 mg/kg	15 & 130	2005
15.0	Ready-to-eat savouries	200 mg/kg	15 & 130	2005

### THEMALLY OXIDIZED SOYA BEAN OIL INTERACTED WITH MONO- AND DIGLYCERIDES OF FATTY ACIDS

INS 479 Thermally oxidized soya bean oil Functional Class: Emulsifier  
interacted with mono- and diglycerides of fatty acids

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.2.2	Fat spreads, dairy fat spreads and blended spreads	5000 mg/kg		1999

### THIODIPROPIONATES

INS 388 Thiodipropionic acid Functional Class: Antioxidant

INS 389 Dilauryl thiodipropionate Functional Class: Antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.1.2	Vegetable oils and fats	200 mg/kg	46	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg	46	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	200 mg/kg	46	1999

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 46	1999
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	15 & 46	1999
15.0	Ready-to-eat savouries	200 mg/kg	46	1999

## TOCOPHEROLS

INS 307a	d-alpha-Tocopherol	Functional Class: Antioxidant
INS 307b	Tocopherol concentrate, mixed	Functional Class: Antioxidant
INS 307c	dl-alpha-Tocopherol	Functional Class: Antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.1.1	Butter oil, anhydrous milkfat, ghee	500 mg/kg	171	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	500 mg/kg		2009

## TRAGACANTH GUM

INS 413	Tragacanth gum	Functional Class: Emulsifier, Stabilizer, Thickener
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FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	236	2013

## TRICALCIUM CITRATE

INS 333(iii)	Tricalcium citrate	Functional Class: Acidity regulator, Firming agent, Sequestrant, Stabilizer
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FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013

## TRIETHYL CITRATE

INS 1505	Triethyl citrate	Functional Class: Carrier, Emulsifier, Sequestrant, Stabilizer
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FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
10.2.1	Liquid egg products	2500 mg/kg	47	1999

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
10.2.3	Dried and/or heat coagulated egg products	2500 mg/kg	47	1999
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg		1999

## TRIPOTASSIUM CITRATE

INS 332(ii)

Tripotassium citrate

Functional Class: Acidity regulator, Sequestrant, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.1.2	Buttermilk (plain)	GMP	261	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	61	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	61	2013
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	266 & 267	2013
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP	258	2013
12.1.2	Salt Substitutes	GMP		2013
13.1.2	Follow-up formulae	GMP	72	2013
13.2	Complementary foods for infants and young children	GMP	239	2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

## TRISODIUM CITRATE

INS 331(iii)

Trisodium citrate

Functional Class: Acidity regulator, Emulsifier, Sequestrant, Stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.1.1.2	Buttermilk (plain)	GMP	261	2013
01.2.2	Renneted milk (plain)	GMP		2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		2006

Table One

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
02.1.1	Butter oil, anhydrous milkfat, ghee	GMP	171	2006
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	61	2013
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	61	2013
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16	2013
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		2013
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	266 & 267	2013
10.2.1	Liquid egg products	GMP		2013
10.2.2	Frozen egg products	GMP		2013
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP	258	2013
12.1.2	Salt Substitutes	GMP		2013
13.1.2	Follow-up formulae	GMP	72	2013
13.2	Complementary foods for infants and young children	5000 mg/kg	238	2013
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	2013

## XANTHAN GUM

INS 415

Xanthan gum

Functional Class: Emulsifier, Foaming agent, Stabilizer, Thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Year Adopted
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP	234 & 235	2013
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	234	2013
01.4.1	Pasteurized cream (plain)	GMP	236	2013
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		2013
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		2013



**Notes to the Comments for the Revised General Standard for Food Additives**

- Note 1 As adipic acid.
- Note 2 On dry ingredient, dry weight, dry mix or concentrate basis.
- Note 3 Surface treatment.
- Note 4 For decoration, stamping, marking or branding the product.
- Note 5 Excluding products conforming to the Standard for Jams, Jellies and Marmalades (CODEX STAN 296-2009).
- Note 6 As aluminium.
- Note 7 For coffee substitutes only.
- Note 8 As bixin.
- Note 9 10 000 mg/kg for use in ready-to-drink coffee products.
- Note 10 As ascorbyl stearate.
- Note 11 Flour basis.
- Note 12 Carryover from flavouring substances.
- Note 13 As benzoic acid.
- Note 14 For use in hydrolyzed protein liquid formula only.
- Note 15 Fat or oil basis.
- Note 16 For use in glaze, coatings or decorations for fruit, vegetables, meat or fish.
- Note 17 As cyclamic acid.
- Note 18 Added level; residue not detected in ready-to-eat food.
- Note 19 Used in cocoa fat; use level on ready-to-eat basis.
- Note 20 On total amount of stabilizers, thickeners and/or gums.
- Note 21 As anhydrous calcium disodium ethylenediaminetetraacetate.
- Note 22 For use in smoked fish products only.
- Note 23 As iron.
- Note 24 As anhydrous sodium ferrocyanide.
- Note 25 As formic acid.
- Note 26 As steviol equivalents.
- Note 27 As para-hydroxybenzoic acid.
- Note 28 ADI conversion: if a typical preparation contains 0.025 µg/U, then the ADI of 33 000 U/kg bw becomes:  $[(33\ 000\ \text{U/kg bw}) \times (0.025\ \mu\text{g/U}) \times (1\ \text{mg}/1\ 000\ \mu\text{g})] = 0.825\ \text{mg/kg bw}$
- Note 29 Reporting basis not specified.
- Note 30 As residual NO<sub>3</sub> ion.
- Note 31 Of the mash used.
- Note 32 As residual NO<sub>2</sub> ion.
- Note 33 As phosphorus.
- Note 34 Anhydrous basis.
- Note 35 For use in cloudy juices only.
- Note 36 Residual level.
- Note 37 As weight of nonfat milk solids.
- Note 38 Level in creaming mixture.
- Note 39 Only when product contains butter or other fats and oils.
- Note 40 INS 451i (pentasodium triphosphate) only, to enhance the effectiveness of benzoates and sorbates.
- Note 41 Use in breading or batter coatings only.
- Note 42 As sorbic acid.
- Note 43 As tin.
- Note 44 As residual SO<sub>2</sub>.
- Note 45 As tartaric acid.
- Note 46 As thiodipropionic acid.
- Note 47 On egg yolk weight, dry basis.
- Note 48 For olives only.
- Note 49 For use on citrus fruits only.

Table One

- Note 50 For use in fish roe only.
- Note 51 For use in herbs only.
- Note 52 Excluding chocolate milk.
- Note 53 For use in coatings only.
- Note 54 For use in cocktail cherries and candied cherries only.
- Note 55 Singly or in combination, within the limits for sodium, calcium, and potassium specified in the commodity standard.
- Note 56 Provided starch is not present.
- Note 57 GMP is 1 part benzoyl peroxide and not more than 6 parts of the subject additive by weight.
- Note 58 As calcium.
- Note 59 Use as packaging gas.
- Note 60 If used as a carbonating agent, the CO<sub>2</sub> in the finished wine shall not exceed 39.2 mg/kg.
- Note 61 For use in minced fish only.
- Note 62 As copper.
- Note 63 On amount of dairy ingredients.
- Note 64 Level added to dry beans; 200 mg/kg in ready-to-eat food, anhydrous basis.
- Note 65 Carryover from nutrient preparations.
- Note 66 As formaldehyde. For use in provolone cheese only.
- Note 67 Except for use in liquid egg whites at 8 800 mg/kg as phosphorus, and in liquid whole eggs at 14 700 mg/kg as phosphorus.
- Note 68 For use in products with no added sugar only.
- Note 69 Use as carbonating agent.
- Note 70 As the acid.
- Note 71 Calcium, potassium and sodium salts only.
- Note 72 Ready-to-eat basis.
- Note 73 Except whole fish.
- Note 74 Excluding liquid whey and whey products used as ingredients in infant formula.
- Note 75 Use in milk powder for vending machines only.
- Note 76 Use in potatoes only.
- Note 77 For special nutritional uses only.
- Note 78 50 000 mg/kg for pickling and balsamic vinegars only.
- Note 79 For use on nuts only.
- Note 80 Equivalent to 2 mg/dm<sup>2</sup> surface application to a maximum depth of 5 mm.
- Note 81 Equivalent to 1 mg/dm<sup>2</sup> surface application to a maximum depth of 5 mm.
- Note 82 For use in shrimp; 6 000 mg/kg for *Crangon crangon* and *Crangon vulgaris*.
- Note 83 L(+)-form only.
- Note 84 For infants over 1 year of age only.
- Note 85 Use level in sausage casings; residue in sausage prepared with such casings should not exceed 100 mg/kg.
- Note 86 Use in whipped dessert toppings other than cream only.
- Note 87 Treatment level.
- Note 88 Carryover from the ingredient.
- Note 89 For sandwich spreads only.
- Note 90 For use in milk-sucrose mixtures used in the finished product.
- Note 91 Benzoates and sorbates, singly or in combination.
- Note 92 Excluding tomato-based sauces.
- Note 93 Except natural wine produced from *Vitis vinifera* grapes.
- Note 94 For use in loganiza (fresh, uncured sausage) only.
- Note 95 For use in surimi and fish roe products only.
- Note 96 On a dried weight basis of the high intensity sweetener.
- Note 97 In the finished product/final cocoa and chocolate products.
- Note 98 For dust control.
- Note 99 For use in fish fillets and minced fish only.
- Note 100 Only for crystalline products and sugar toppings.

Table One

- Note 101 Use level singly, not to exceed 15 000 mg/kg in combination.
- Note 102 For use in fat emulsions for baking purposes only.
- Note 103 Except for use in special white wines at 400 mg/kg.
- Note 104 Maximum 5 000 mg/kg residue in bread and yeast-leavened bakery products.
- Note 105 Except for use in dried gourd strips (Kampyo) at 5 000 mg/kg.
- Note 106 Except for use in Dijon mustard at 500 mg/kg.
- Note 107 Except for use of sodium ferrocyanide (INS 535) and potassium ferrocyanide (INS 536) in food-grade dendridic salt at 29 mg/kg as anhydrous sodium ferrocyanide.
- Note 108 For use on coffee beans only.
- Note 109 Use level reported as  $25 \text{ lbs}/1\,000 \text{ gal} \times (0.45 \text{ kg/lb}) \times (1 \text{ gal}/3.75 \text{ L}) \times (1 \text{ L/kg}) \times (10^6 \text{ mg/kg}) = 3\,000 \text{ mg/kg}$
- Note 110 For use in frozen French fried potatoes only.
- Note 111 Excluding dried glucose syrup used in the manufacture of sugar confectionery at 150 mg/kg and glucose syrup used in the manufacture of sugar confectionery at 400 mg/kg.
- Note 112 For use in grated cheese only.
- Note 113 Use level reported as acesulfame potassium equivalents (the reported maximum level can be converted to an aspartame-acesulfame salt basis by dividing by 0.44). Combined use of aspartame-acesulfame salt with individual acesulfame potassium or aspartame should not exceed the individual maximum levels for acesulfame potassium or aspartame (the reported maximum level can be converted to aspartame equivalents by dividing by 0.68).
- Note 114 Excluding cocoa powder.
- Note 115 For use in pineapple juice only.
- Note 116 For use in doughs only.
- Note 117 Except for use in loganiza (fresh, uncured sausage) at 1 000 mg/kg.
- Note 118 Except for use in tocino (fresh, cured sausage) at 1 000 mg/kg.
- Note 119 Use level reported as aspartame equivalents (the reported maximum level can be converted to an aspartame-acesulfame salt basis by dividing by 0.64). Combined use of aspartame-acesulfame salt with individual aspartame or acesulfame potassium should not exceed the individual maximum levels for aspartame or acesulfame potassium (the reported maximum level can be converted to acesulfame potassium equivalents by multiplying by 0.68).
- Note 120 Except for use in caviar at 2 500 mg/kg.
- Note 121 Excluding fermented fish products at 1 000 mg/kg.
- Note 122 Subject to national legislation of the importing country.
- Note 123 1 000 mg/kg for beverages with pH greater than 3.5.
- Note 124 Only for products containing less than 7% ethanol.
- Note 125 For use as a release agent for baking pans in a mixture with vegetable oil.
- Note 126 For releasing dough in dividing or baking only.
- Note 127 As served to the consumer.
- Note 128 INS 334 (tartaric acid) only.
- Note 129 For use as an acidity regulator in grape juice.
- Note 130 Singly or in combination: butylated hydroxyanisole (INS 320), butylated hydroxytoluene (INS 321), tertiary butylated hydroquinone (INS 319), and propyl gallate (INS 310).
- Note 131 As a result of use as a flavour carrier.
- Note 132 Except for use at 130 mg/kg (dried basis) in semi-frozen beverages.
- Note 133 Any combination of butylated hydroxyanisole (INS 320), butylated hydroxytoluene (INS 321), and propyl gallate (INS 310) at 200 mg/kg, provided that single use limits are not exceeded.
- Note 134 Except for use in cereal-based puddings at 500 mg/kg.
- Note 135 Except for use in dried apricots at 2000 mg/kg, bleached raisins at 1500 mg/kg, desiccated coconut at 200 mg/kg and coconut from which oil has been partially extracted at 50 mg/kg.
- Note 136 To prevent browning of certain light coloured vegetables.
- Note 137 Except for use in frozen avocado at 300 mg/kg.
- Note 138 For use in energy-reduced products only.
- Note 139 For use in mollusks, crustaceans, and echinoderms only.
- Note 140 Except for use in canned abalone (PAUA) at 1 000 mg/kg.
- Note 141 For use in white chocolate only.
- Note 142 Excluding coffee and tea.

Table One

- Note 143 For use in fruit juice-based drinks and dry ginger ale only.
- Note 144 For use in sweet and sour products only.
- Note 145 Products are energy reduced or with no added sugar.
- Note 146 Use level for beta-carotene (synthetic) (INS 160ai); 35 mg/kg for beta-apo-8'-carotenal (INS 160e) and beta-apo-8'-carotenoic acid, methyl or ethyl ester (INS 160f).
- Note 147 Excluding whey powders for infant food.
- Note 148 For use in microsweets and breath freshening mints at 10 000 mg/kg
- Note 149 Except for use in fish roe at 100 mg/kg.
- Note 150 Use level for soy-based formula; 25 000 mg/kg for hydrolyzed protein and/or amino acid-based formula.
- Note 151 Use level for soy-based formula; 1 000 mg/kg for hydrolyzed protein and/or amino acid-based formula.
- Note 152 For frying purposes only.
- Note 153 For use in instant noodles only.
- Note 154 For use in coconut milk only.
- Note 155 For use in frozen, sliced apples only.
- Note 156 For use in microsweets and breath freshening mints at 2 500 mg/kg.
- Note 157 For use in microsweets and breath freshening mints at 2 000 mg/kg.
- Note 158 For use in microsweets and breath freshening mints at 1 000 mg/kg.
- Note 159 For use in pancake syrup and maple syrup only.
- Note 160 For use in ready-to-drink products and pre-mixes for ready-to-drink products only.
- Note 161 Subject to national legislation of the importing country aimed, in particular, at consistency with Section 3.2 of the Preamble.
- Note 162 For use in dehydrated products and salami-type products only.
- Note 163 For use in microsweets and breath freshening mints at 3 000 mg/kg.
- Note 164 For use in microsweets and breath freshening mints at 30 000 mg/kg.
- Note 165 For use in products for special nutritional use only.
- Note 166 For milk-based sandwich spreads only.
- Note 167 For dehydrated products only.
- Note 168 Quillaia extract type 1 (INS 999(i)) only. Acceptable maximum use level is expressed on saponin basis.
- Note 169 For use in fat-based sandwich spreads only.
- Note 170 Excluding products conforming to the Standard for Fermented Milks (CODEX STAN 243-2003).
- Note 171 Excluding anhydrous milkfat.
- Note 172 Except for use in fruit sauces, fruit toppings, coconut cream, coconut milk and "fruit bars" at 50 mg/kg.
- Note 173 Excluding instant noodles containing vegetables and eggs.
- Note 174 Singly or in combination: sodium aluminosilicate (INS 554), calcium aluminium silicate (INS 556), and aluminium silicate (INS 559).
- Note 175 Except for use in jelly-type fruit-based desserts at 200 mg/kg.
- Note 176 For use in canned liquid coffee only.
- Note 177 For use in sliced, cut, shredded, or grated cheese only.
- Note 178 Expressed as carminic acid.
- Note 179 To restore the natural colour lost in processing only.
- Note 180 Singly or in combination: butylated hydroxyanisole (BHA, INS 320) and butylated hydroxytoluene (BHT, INS 321).
- Note 181 Expressed as anthocyanin.
- Note 182 Except for use in coconut milk.
- Note 183 Products conforming to the Standard for Chocolate and Chocolate Products (CODEX STAN 87-1981) may only use colours for surface decoration.
- Note 184 For use in nutrient coated rice grain premixes only.
- Note 185 As norbixin.
- Note 186 For use in flours with additives only.
- Note 187 Ascorbyl palmitate (INS 304) only.
- Note 188 Not to exceed the maximum use level for acesulfame potassium (INS 950) singly or in combination with aspartame-acesulfame salt (INS 962).

Table One

- Note 189 Excluding rolled oats.
- Note 190 Except for use in fermented milk drinks at 500 mg/kg.
- Note 191 Not to exceed the maximum use level for aspartame (INS 951) singly or in combination with aspartame-acesulfame salt (INS 962).
- Note 192 For liquid products only.
- Note 193 For use in crustacean and fish pastes only.
- Note 194 Only for use in instant noodles conforming to the Standard for Instant Noodles (CODEX STAN 249-2006).
- Note 195 Singly or in combination: butylated hydroxyanisole (BHA, INS 320), butylated hydroxytoluene (BHT, INS 321) and tertiary butylhydroquinone (TBHQ, INS 319).
- Note 196 Singly or in combination: butylated hydroxyanisole (BHA, INS 320), butylated hydroxytoluene (BHT, INS 321) and propyl gallate (INS 310).
- Note 197 Singly or in combination: butylated hydroxytoluene (BHT, INS 321) and propyl gallate (INS 310).
- Note 198 Use level for solid products (e.g., energy, meal replacement or fortified bars); 600 mg/kg as steviol equivalents for use in liquid products.
- Note 199 For use in microsweets and breath freshening mints at 6000 mg/kg as steviol equivalents.
- Note 200 Except for use in Japanese style 'lachs ham' of pork loin (cured and non-heat-treated) at 120 mg/kg as steviol equivalents
- Note 201 For use in flavoured products only.
- Note 202 For use in brine used in the production of sausage only.
- Note 203 For use in chewable supplements only.
- Note 204 For use at 50 mg/kg in longan and lichee only.
- Note 205 For use at 50 mg/kg to prevent browning of certain light colored vegetables.
- Note 206 For use at 30 mg/kg as a bleaching agent only for products conforming to the Standard for Aqueous Coconut Products (CODEX STAN 240-2003).
- Note 207 For use at 50,000 mg/kg in soybean sauce intended for further processing.
- Note 208 For use in dried and dehydrated products only.
- Note 209 Excluding products conforming to the Standard for Blend of Skimmed Milk and Vegetable Fat in Powdered Form (CODEX STAN 251-2006).
- Note 210 For use in pasta made from *Triticum aestivum*, and for use in noodles.
- Note 211 For use in noodles only.
- Note 212 Except for products conforming to the Standard for Bouillon and Consommés (CODEX STAN 117-1981) at 3000 mg/kg.
- Note 213 For use in liquid products containing high intensity sweeteners only.
- Note 214 Excluding products conforming to the Standard for Dairy Fat Spreads (CODEX STAN 253-2006).
- Note 215 Excluding products conforming to the Standard for Fat Spreads and Blended Spreads (CODEX STAN 256-2007).
- Note 216 For use in maize-based products only.
- Note 217 For use at 300 mg/kg in toppings only.
- Note 218 Only sulfites can be used as preservatives and antioxidants in the products covered by the Standard for Desiccated Coconut (CODEX STAN 177-1991).
- Note 219 Except for use at 5,000 mg/kg in non-alcoholic aniseed-based, coconut-based, and almond-based drinks.
- Note 220 For use in flavoured products heat treated after fermentation only.
- Note 221 For use in potato dough and pre-fried potato slices only.
- Note 222 For use in collagen-based casings with a water activity greater than 0.6 only.
- Note 223 Except for use at 3,000 mg/kg in products containing added fruits, vegetables, or meats.
- Note 224 Excluding aromatized beer.
- Note 225 Except for use in self-raising flour at 12,000 mg/kg.
- Note 226 Except for use as a meat tenderizer at 35,000 mg/kg.
- Note 227 For use in sterilized and UHT treated milks only.
- Note 228 Except for use at 1,320 mg/kg to stabilize higher protein liquid whey used for further processing into whey protein concentrates.
- Note 229 For use as a flour treatment agent, raising agent or leavening agent.
- Note 230 For use as an acidity regulator only.

Table One

- Note 231 Only for use in flavoured fermented milks and flavoured fermented milks heat treated after fermentation.
- Note 232 Only for use in vegetable fats conforming to the Standard for Edible Fats and Oils Not Covered by Individual Standards (CODEX STAN 19-1981), singly or in combination.
- Note 233 As nisin.
- Note 234 For use as stabilizer or thickener only.
- Note 235 Use restricted to reconstitution and recombination only.
- Note 236 Excluding products conforming to the Standard for Cream and Prepared Creams (reconstituted cream, recombined cream, prepackaged liquid cream) (CODEX STAN 288-1976).
- Note 237 Excluding products conforming to the Standard for Processed Cereal-Based Foods for Infants and Young Children (CODEX STAN 74-1981).
- Note 238 GMP in foods corresponding to the Standard for Processed Cereal-Based Foods for Infants and Young Children (CODEX STAN 74-1981).
- Note 239 Excluding products conforming to the Standard for Canned Baby Foods (CODEX STAN 73-1981).
- Note 240 Within the limit for sodium listed in the Standard for Canned Baby Foods (CODEX STAN 73-1981).
- Note 241 For use as acidity regulator and raising agent.
- Note 242 For use as an antioxidant.
- Note 243 For use as a raising agent in products conforming to the Standard for Processed Cereal-based Foods for Infants and Young Children (CODEX STAN 74-1981) and as an acidity regulator in products conforming to the Standard for Canned Baby Foods (CODEX STAN 73-1981).
- Note 244 For use in biscuit dough.
- Note 245 For use in pickled vegetables, except for use in perilla in brine at 780 mg/kg.
- Note 246 Singly or in combination: aluminium ammonium sulphate (INS 523) and sodium aluminium phosphates (acidic and basic; (INS 541(i),(ii)).
- Note 247 For use in kuzukiri and harusame only.
- Note 248 For use as a raising agent.
- Note 249 For use as a raising agent in mixes for steamed breads and buns.
- Note 250 For use in boiled mollusks and tsukudani only.
- Note 251 For use in processed American cheese only.
- Note 252 For use in self-rising flour and self-rising corn meal only.
- Note 253 For use in dry mix hot chocolate only.
- Note 254 For use in salt applied to dry salted cheeses during manufacturing only.
- Note 255 For use at 1,700 mg/kg in seasonings applied to foods in food category 15.1.
- Note 256 For use in noodles, gluten-free pasta and pasta intended for hypoproteic diets only.
- Note 257 For use in shrimps and prawns only.
- Note 258 Except for use in maple syrup.
- Note 259 Singly or in combination: sodium aluminosilicate (INS 554) and calcium aluminium silicate (INS 556).
- Note 260 For use in powdered beverage whiteners only.
- Note 261 For use in heat-treated buttermilk only.
- Note 262 For use in edible fungi and fungus products.
- Note 263 20,000 mg/kg in pickled fungi.
- Note 264 Citric acid (INS 330) and Lactic acid (INS 270) 5,000 mg/kg singly or in combination in sterilized fungi.
- Note 265 For use in quick frozen French fried potatoes as a sequestrant.
- Note 266 Not for use in salted Atlantic herring and sprat.
- Note 267 Excluding products conforming to the Standard for Salted Fish and Dried Salted Fish of the Gadidae Family of Fishes (CODEX STAN 167-1989), the Standard for Dried Shark Fins (CODEX STAN 189-1993), the Standard for Crackers from Marine and Freshwater Fish, Crustaceans and Molluscan Shellfish (CODEX STAN 222-2001), and the Standard for Boiled Dried Salted Anchovies (CODEX STAN 236-2003).
- Note 301 Interim maximum level.

## CODEX GENERAL STANDARD FOR FOOD ADDITIVES

# TABLE TWO

### Food Categories or Individual Food Items in Which Food Additives are Permitted

<b>Food Category No. 01.1.1</b>		<b>Milk and buttermilk (plain)</b>		
Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1500 mg/kg	33 & 227

  

<b>Food Category No. 01.1.1.2</b>		<b>Buttermilk (plain)</b>		
Additive	INS	Year Adopted	Max Level	Notes
MAGNESIUM CARBONATE	504(i)	2013	GMP	261
MAGNESIUM HYDROXIDE	528	2013	GMP	261
MAGNESIUM HYDROXIDE CARBONATE	504(ii)	2013	GMP	261
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	261
POTASSIUM LACTATE	326	2013	GMP	261
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	261
SODIUM LACTATE	325	2013	GMP	261
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	261
TRISODIUM CITRATE	331(iii)	2013	GMP	261

  

<b>Food Category No. 01.1.2</b>		<b>Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	161 & 188
ALITAME	956	2007	100 mg/kg	161
ALLURA RED AC	129	2009	300 mg/kg	52 & 161
ASPARTAME	951	2007	600 mg/kg	161 & 191
ASPARTAME-ACESULFAME SALT	962	2009	350 mg/kg	113 & 161

Table Two

**Food Category No. 01.1.2****Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)**

Additive	INS	Year Adopted	Max Level	Notes
BRILLIANT BLUE FCF	133	2008	150 mg/kg	52
CANTHAXANTHIN	161g	2011	15 mg/kg	52 & 170
CARAMEL III - AMMONIA CARAMEL	150c	2009	2000 mg/kg	52
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	2000 mg/kg	52
CARMINES	120	2008	150 mg/kg	52
CAROTENES, BETA-, VEGETABLE	160a(ii)	2008	1000 mg/kg	52
CAROTENOIDS	160a(i),a(iii),e,f	2009	150 mg/kg	52
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	50 mg/kg	52 & 190
CYCLAMATES	952(i), (ii), (iv)	2007	250 mg/kg	17 & 161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
FAST GREEN FCF	143	2008	100 mg/kg	52
GRAPE SKIN EXTRACT	163(ii)	2009	150 mg/kg	52 & 181
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	52
IRON OXIDES	172(i)-(iii)	2008	20 mg/kg	52
NEOTAME	961	2007	20 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1320 mg/kg	33
POLYSORBATES	432-436	2008	3000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	150 mg/kg	52 & 161
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	5000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2008	300 mg/kg	52
SACCHARINS	954(i)-(iv)	2007	80 mg/kg	161
SODIUM ALUMINOSILICATE	554	2013	60 mg/kg	6 & 253
SORBATES	200-203	2012	1000 mg/kg	42 & 220
STEVIOL GLYCOSIDES	960	2011	200 mg/kg	26 & 201
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	300 mg/kg	161
SUCROGLYCERIDES	474	2009	5000 mg/kg	
SUNSET YELLOW FCF	110	2008	300 mg/kg	52



Table Two

<b>Food Category No. 01.2</b>		<b>Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)</b>		
Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2010	1000 mg/kg	33
<b>Food Category No. 01.2.1</b>		<b>Fermented milks (plain)</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	1999	150 mg/kg	12
<b>Food Category No. 01.2.1.1</b>		<b>Fermented milks (plain), not heat-treated after fermentation</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACETYLATED DISTARCH ADIPATE	1422	2013	GMP	234 & 235
ACETYLATED DISTARCH PHOSPHATE	1414	2013	GMP	234 & 235
ACID-TREATED STARCH	1401	2013	GMP	234 & 235
ALKALINE TREATED STARCH	1402	2013	GMP	234 & 235
BLEACHED STARCH	1403	2013	GMP	234 & 235
CAROB BEAN GUM	410	2013	GMP	234 & 235
DEXTRINS, ROASTED STARCH	1400	2013	GMP	234 & 235
DISTARCH PHOSPHATE	1412	2013	GMP	234 & 235
GELLAN GUM	418	2013	GMP	234 & 235
HYDROXYPROPYL DISTARCH PHOSPHATE	1442	2013	GMP	234 & 235
HYDROXYPROPYL STARCH	1440	2013	GMP	234 & 235
KARAYA GUM	416	2013	200 mg/kg	234 & 235
MICROCRYSTALLINE CELLULOSE (CELLULOSE GEL)	460(i)	2013	GMP	234 & 235
MONOSTARCH PHOSPHATE	1410	2013	GMP	234 & 235
OXIDIZED STARCH	1404	2013	GMP	234 & 235
PECTINS	440	2013	GMP	234 & 235
PHOSPHATED DISTARCH PHOSPHATE	1413	2013	GMP	234 & 235
POWDERED CELLULOSE	460(ii)	2013	GMP	234 & 235
STARCH ACETATE	1420	2013	GMP	234 & 235
STARCH SODIUM OCTENYL SUCCINATE	1450	2013	GMP	234 & 235
STARCHES, ENZYME TREATED	1405	2013	GMP	234 & 235
TARA GUM	417	2013	GMP	234 & 235
XANTHAN GUM	415	2013	GMP	234 & 235

Table Two

<b>Food Category No. 01.2.1.2</b>		<b>Fermented milks (plain), heat-treated after fermentation</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACETIC AND FATTY ACID ESTERS OF GLYCEROL	472a	2013	GMP	234
ACETYLATED DISTARCH ADIPATE	1422	2013	GMP	234
ACETYLATED DISTARCH PHOSPHATE	1414	2013	GMP	234
ACID-TREATED STARCH	1401	2013	GMP	234
ALGINIC ACID	400	2013	GMP	234
ALKALINE TREATED STARCH	1402	2013	GMP	234
AMMONIUM ALGINATE	403	2013	GMP	234
AMMONIUM HYDROXIDE	527	2013	GMP	
BLEACHED STARCH	1403	2013	GMP	234
CALCIUM ALGINATE	404	2013	GMP	234
CALCIUM CARBONATE	170(i)	2013	GMP	
CALCIUM HYDROXIDE	526	2013	GMP	
CALCIUM LACTATE	327	2013	GMP	
CALCIUM OXIDE	529	2013	GMP	
CAROB BEAN GUM	410	2013	GMP	234
CITRIC ACID	330	2013	GMP	
CITRIC AND FATTY ACID ESTERS OF GLYCEROL	472c	2013	GMP	234
DEXTRINS, ROASTED STARCH	1400	2013	GMP	234
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
DISTARCH PHOSPHATE	1412	2013	GMP	234
GELLAN GUM	418	2013	GMP	234
GLUCONO DELTA-LACTONE	575	2013	GMP	
GUAR GUM	412	2013	GMP	234
GUM ARABIC (ACACIA GUM)	414	2013	GMP	234
HYDROXYPROPYL CELLULOSE	463	2013	GMP	234
HYDROXYPROPYL METHYL CELLULOSE	464	2013	GMP	234
HYDROXYPROPYL STARCH	1440	2013	GMP	234
KARAYA GUM	416	2013	GMP	234
KONJAC FLOUR	425	2013	GMP	234
LACTIC AND FATTY ACID ESTERS OF GLYCEROL	472b	2013	GMP	234
MAGNESIUM CARBONATE	504(i)	2013	GMP	
MAGNESIUM CHLORIDE	511	2013	GMP	234
MAGNESIUM HYDROXIDE	528	2013	GMP	
MAGNESIUM HYDROXIDE CARBONATE	504(ii)	2013	GMP	
MALIC ACID, DL-	296	2013	GMP	

Table Two

<b>Food Category No. 01.2.1.2</b>		<b>Fermented milks (plain), heat-treated after fermentation</b>			
Additive	INS	Year Adopted	Max Level	Notes	
METHYL CELLULOSE	461	2013	GMP	234	
METHYL ETHYL CELLULOSE	465	2013	GMP	234	
MICROCRYSTALLINE CELLULOSE (CELLULOSE GEL)	460(i)	2013	GMP	234	
MONOSTARCH PHOSPHATE	1410	2013	GMP	234	
OXIDIZED STARCH	1404	2013	GMP	234	
PECTINS	440	2013	GMP	234	
PHOSPHATED DISTARCH PHOSPHATE	1413	2013	GMP	234	
POTASSIUM ALGINATE	402	2013	GMP	234	
POTASSIUM CARBONATE	501(i)	2013	GMP	234	
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP		
POTASSIUM LACTATE	326	2013	GMP		
POWDERED CELLULOSE	460(ii)	2013	GMP	234	
SALTS OF MYRISTIC, PALMITIC AND STEARIC ACIDS WITH AMMONIA, CALCIUM, POTASSIUM AND SODIUM	470(i)	2013	GMP	234	
SALTS OF OLEIC ACID WITH CALCIUM, POTASSIUM AND SODIUM	470(ii)	2013	GMP	234	
SODIUM ALGINATE	401	2013	GMP	234	
SODIUM CARBONATE	500(i)	2013	GMP		
SODIUM CARBOXYMETHYL CELLULOSE (CELLULOSE GUM)	466	2013	GMP	234	
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	234	
SODIUM HYDROGEN CARBONATE	500(ii)	2013	GMP		
SODIUM HYDROXIDE	524	2013	GMP		
SODIUM LACTATE	325	2013	GMP		
STARCH ACETATE	1420	2013	GMP	234	
STARCH SODIUM OCTENYL SUCCINATE	1450	2013	GMP	234	
STARCHES, ENZYME TREATED	1405	2013	GMP	234	
TARA GUM	417	2013	GMP	234	
TRAGACANTH GUM	413	2013	GMP	234	
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	234	
XANTHAN GUM	415	2013	GMP	234	

  

<b>Food Category No. 01.2.2</b>		<b>Renneted milk (plain)</b>			
Additive	INS	Year Adopted	Max Level	Notes	
ACETIC AND FATTY ACID ESTERS OF GLYCEROL	472a	2013	GMP		
ACETYLATED DISTARCH ADIPATE	1422	2013	GMP		

Table Two

<b>Food Category No. 01.2.2</b>		<b>Renneted milk (plain)</b>			
Additive	INS	Year Adopted	Max Level	Notes	
ACETYLATED DISTARCH PHOSPHATE	1414	2013	GMP		
ACID-TREATED STARCH	1401	2013	GMP		
ALKALINE TREATED STARCH	1402	2013	GMP		
BLEACHED STARCH	1403	2013	GMP		
CALCIUM CARBONATE	170(i)	2013	GMP		
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	1999	GMP		
CAROB BEAN GUM	410	2013	GMP		
CITRIC AND FATTY ACID ESTERS OF GLYCEROL	472c	2013	GMP		
DEXTRINS, ROASTED STARCH	1400	2013	GMP		
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg		
DISTARCH PHOSPHATE	1412	2013	GMP		
GUAR GUM	412	2013	GMP		
GUM ARABIC (ACACIA GUM)	414	2013	GMP		
HYDROXYPROPYL CELLULOSE	463	2013	GMP		
HYDROXYPROPYL DISTARCH PHOSPHATE	1442	2013	GMP		
HYDROXYPROPYL METHYL CELLULOSE	464	2013	GMP		
HYDROXYPROPYL STARCH	1440	2013	GMP		
LACTIC AND FATTY ACID ESTERS OF GLYCEROL	472b	2013	GMP		
LECITHIN	322(i)	2013	GMP		
MAGNESIUM CHLORIDE	511	2013	GMP		
MANNITOL	421	2013	GMP		
METHYL CELLULOSE	461	2013	GMP		
METHYL ETHYL CELLULOSE	465	2013	GMP		
MICROCRYSTALLINE CELLULOSE (CELLULOSE GEL)	460(i)	2013	GMP		
MONOSTARCH PHOSPHATE	1410	2013	GMP		
OXIDIZED STARCH	1404	2013	GMP		
PECTINS	440	2013	GMP		
PHOSPHATED DISTARCH PHOSPHATE	1413	2013	GMP		
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP		
POWDERED CELLULOSE	460(ii)	2013	GMP		
SALTS OF MYRISTIC, PALMITIC AND STEARIC ACIDS WITH AMMONIA, CALCIUM, POTASSIUM AND SODIUM	470(i)	2013	GMP		
SALTS OF OLEIC ACID WITH CALCIUM, POTASSIUM AND SODIUM	470(ii)	2013	GMP		

Table Two

<b>Food Category No. 01.2.2</b>		<b>Renneted milk (plain)</b>		
Additive	INS	Year Adopted	Max Level	Notes
SODIUM CARBOXYMETHYL CELLULOSE (CELLULOSE GUM)	466	2013	GMP	
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	
SORBATES	200-203	2012	1000 mg/kg	42
STARCH ACETATE	1420	2013	GMP	
STARCH SODIUM OCTENYL SUCCINATE	1450	2013	GMP	
STARCHES, ENZYME TREATED	1405	2013	GMP	
TARA GUM	417	2013	GMP	
TRAGACANTH GUM	413	2013	GMP	
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	
TRISODIUM CITRATE	331(iii)	2013	GMP	
<b>Food Category No. 01.3.1</b>		<b>Condensed milk (plain)</b>		
Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	880 mg/kg	33
<b>Food Category No. 01.3.2</b>		<b>Beverage whiteners</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	2000 mg/kg	161 & 188
ASCORBYL ESTERS	304, 305	2001	80 mg/kg	10
ASPARTAME	951	2008	6000 mg/kg	161 & 191
BUTYLATED HYDROXYANISOLE	320	2007	100 mg/kg	15 & 195
BUTYLATED HYDROXYTOLUENE	321	2007	100 mg/kg	15 & 195
CARAMEL III - AMMONIA CARAMEL	150c	2009	1000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	1000 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2011	100 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
NEOTAME	961	2008	65 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	13000 mg/kg	33
POLYSORBATES	432-436	2007	4000 mg/kg	
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	1000 mg/kg	

Table Two

<b>Food Category No. 01.3.2</b>		<b>Beverage whiteners</b>		
Additive	INS	Year Adopted	Max Level	Notes
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SODIUM ALUMINOSILICATE	554	2013	570 mg/kg	6 & 260
SORBATES	200-203	2009	200 mg/kg	42
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	580 mg/kg	161
SUCROGLYCERIDES	474	2010	20000 mg/kg	
TERTIARY BUTYLHYDROQUINONE	319	2007	100 mg/kg	15 & 195

  

<b>Food Category No. 01.4</b>		<b>Cream (plain) and the like</b>		
Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33

  

<b>Food Category No. 01.4.1</b>		<b>Pasteurized cream (plain)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACETIC AND FATTY ACID ESTERS OF GLYCEROL	472a	2013	GMP	236
ACETYLATED DISTARCH ADIPATE	1422	2013	GMP	236
ACETYLATED DISTARCH PHOSPHATE	1414	2013	GMP	236
AGAR	406	2013	GMP	236
ALGINIC ACID	400	2013	GMP	236
AMMONIUM ALGINATE	403	2013	GMP	236
CALCIUM ALGINATE	404	2013	GMP	236
CALCIUM CARBONATE	170(i)	2013	GMP	236
CALCIUM CHLORIDE	509	2013	GMP	236
CALCIUM LACTATE	327	2013	GMP	
CALCIUM SULFATE	516	2013	GMP	236
CAROB BEAN GUM	410	2013	GMP	236
CARRAGEENAN	407	2013	GMP	236
CITRIC ACID	330	2013	GMP	
CITRIC AND FATTY ACID ESTERS OF GLYCEROL	472c	2013	GMP	236
DISTARCH PHOSPHATE	1412	2013	GMP	236
GELLAN GUM	418	2013	GMP	236
GUAR GUM	412	2013	GMP	236
GUM ARABIC (ACACIA GUM)	414	2013	GMP	236
HYDROXYPROPYL CELLULOSE	463	2013	GMP	236
HYDROXYPROPYL DISTARCH PHOSPHATE	1442	2013	GMP	236

Table Two

<b>Food Category No. 01.4.1</b>		<b>Pasteurized cream (plain)</b>			
Additive	INS	Year Adopted	Max Level	Notes	
HYDROXYPROPYL METHYL CELLULOSE	464	2013	GMP	236	
HYDROXYPROPYL STARCH	1440	2013	GMP	236	
KONJAC FLOUR	425	2013	GMP	236	
LACTIC ACID, L-, D- and DL-	270	2013	GMP		
LACTIC AND FATTY ACID ESTERS OF GLYCEROL	472b	2013	GMP	236	
LECITHIN	322(i)	2013	GMP	236	
METHYL CELLULOSE	461	2013	GMP	236	
METHYL ETHYL CELLULOSE	465	2013	GMP	236	
MICROCRYSTALLINE CELLULOSE (CELLULOSE GEL)	460(i)	2013	GMP	236	
MONO- AND DI-GLYCERIDES OF FATTY ACIDS	471	2013	GMP	236	
MONOSTARCH PHOSPHATE	1410	2013	GMP	236	
OXIDIZED STARCH	1404	2013	GMP	236	
PECTINS	440	2013	GMP	236	
PHOSPHATED DISTARCH PHOSPHATE	1413	2013	GMP	236	
POLYSORBATES	432-436	2008	1000 mg/kg		
POTASSIUM ALGINATE	402	2013	GMP	236	
POTASSIUM CARBONATE	501(i)	2013	GMP	236	
POTASSIUM CHLORIDE	508	2013	GMP	236	
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	236	
POTASSIUM HYDROGEN CARBONATE	501(ii)	2013	GMP	236	
POTASSIUM LACTATE	326	2013	GMP		
POWDERED CELLULOSE	460(ii)	2013	GMP	236	
PROCESSED EUCEUMA SEAWEED (PES)	407a	2013	GMP	236	
SODIUM ALGINATE	401	2013	GMP	236	
SODIUM CARBONATE	500(i)	2013	GMP		
SODIUM CARBOXYMETHYL CELLULOSE (CELLULOSE GUM)	466	2013	GMP	236	
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	236	
SODIUM HYDROGEN CARBONATE	500(ii)	2013	GMP		
SODIUM LACTATE	325	2013	GMP		
SODIUM SESQUICARBONATE	500(iii)	2013	GMP		
STARCH ACETATE	1420	2013	GMP	236	
STARCH SODIUM OCTENYL SUCCINATE	1450	2013	GMP	236	
TARA GUM	417	2013	GMP	236	
TRAGACANTH GUM	413	2013	GMP	236	

Table Two

<b>Food Category No. 01.4.1</b>		<b>Pasteurized cream (plain)</b>		
Additive	INS	Year Adopted	Max Level	Notes
TRICALCIUM CITRATE	333(iii)	2013	GMP	236
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	236
TRISODIUM CITRATE	331(iii)	2013	GMP	236
XANTHAN GUM	415	2013	GMP	236

  

<b>Food Category No. 01.4.2</b>		<b>Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACETIC AND FATTY ACID ESTERS OF GLYCEROL	472a	2013	GMP	
ACETYLATED DISTARCH ADIPATE	1422	2013	GMP	
ACETYLATED DISTARCH PHOSPHATE	1414	2013	GMP	
ACID-TREATED STARCH	1401	2013	GMP	236
AGAR	406	2013	GMP	
ALGINIC ACID	400	2013	GMP	
AMMONIUM ALGINATE	403	2013	GMP	
BLEACHED STARCH	1403	2013	GMP	236
CALCIUM ALGINATE	404	2013	GMP	
CALCIUM CARBONATE	170(i)	2013	GMP	
CALCIUM CHLORIDE	509	2013	GMP	
CALCIUM LACTATE	327	2013	GMP	
CALCIUM SULFATE	516	2013	GMP	
CAROB BEAN GUM	410	2013	GMP	
CARRAGEENAN	407	2013	GMP	
CITRIC ACID	330	2013	GMP	
CITRIC AND FATTY ACID ESTERS OF GLYCEROL	472c	2013	GMP	
DEXTRINS, ROASTED STARCH	1400	2013	GMP	236
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2007	6000 mg/kg	
DISTARCH PHOSPHATE	1412	2013	GMP	
GELLAN GUM	418	2013	GMP	
GUAR GUM	412	2013	GMP	
GUM ARABIC (ACACIA GUM)	414	2013	GMP	
HYDROXYPROPYL CELLULOSE	463	2013	GMP	
HYDROXYPROPYL DISTARCH PHOSPHATE	1442	2013	GMP	
HYDROXYPROPYL METHYL CELLULOSE	464	2013	GMP	
HYDROXYPROPYL STARCH	1440	2013	GMP	
KONJAC FLOUR	425	2013	GMP	236



Table Two

**Food Category No. 01.4.2 Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)**

Additive	INS	Year Adopted	Max Level	Notes
LACTIC ACID, L-, D- and DL-	270	2013	GMP	
LACTIC AND FATTY ACID ESTERS OF GLYCEROL	472b	2013	GMP	
LECITHIN	322(i)	2013	GMP	
METHYL CELLULOSE	461	2013	GMP	
METHYL ETHYL CELLULOSE	465	2013	GMP	
MICROCRYSTALLINE CELLULOSE (CELLULOSE GEL)	460(i)	2013	GMP	
MONO- AND DI-GLYCERIDES OF FATTY ACIDS	471	2013	GMP	
MONOSTARCH PHOSPHATE	1410	2013	GMP	
OXIDIZED STARCH	1404	2013	GMP	236
PECTINS	440	2013	GMP	
PHOSPHATED DISTARCH PHOSPHATE	1413	2013	GMP	
POLYDEXTROSES	1200	2013	GMP	236
POLYSORBATES	432-436	2008	1000 mg/kg	
POTASSIUM ALGINATE	402	2013	GMP	
POTASSIUM CARBONATE	501(i)	2013	GMP	
POTASSIUM CHLORIDE	508	2013	GMP	
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	
POTASSIUM HYDROGEN CARBONATE	501(ii)	2013	GMP	
POTASSIUM LACTATE	326	2013	GMP	
POWDERED CELLULOSE	460(ii)	2013	GMP	
PROCESSED EUCEUMA SEAWEED (PES)	407a	2013	GMP	
SODIUM ALGINATE	401	2013	GMP	
SODIUM CARBONATE	500(i)	2013	GMP	
SODIUM CARBOXYMETHYL CELLULOSE (CELLULOSE GUM)	466	2013	GMP	
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	
SODIUM HYDROGEN CARBONATE	500(ii)	2013	GMP	
SODIUM LACTATE	325	2013	GMP	
SODIUM SESQUICARBONATE	500(iii)	2013	GMP	
STARCH ACETATE	1420	2013	GMP	
STARCH SODIUM OCTENYL SUCCINATE	1450	2013	GMP	
TARA GUM	417	2013	GMP	236
TRAGACANTH GUM	413	2013	GMP	236
TRICALCIUM CITRATE	333(iii)	2013	GMP	

**Food Category No. 01.4.2 Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)**

Additive	INS	Year Adopted	Max Level	Notes
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	
TRISODIUM CITRATE	331(iii)	2013	GMP	
XANTHAN GUM	415	2013	GMP	

**Food Category No. 01.4.3 Clotted cream (plain)**

Additive	INS	Year Adopted	Max Level	Notes
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2006	5000 mg/kg	
NISIN	234	2009	10 mg/kg	28
POLYSORBATES	432-436	2008	1000 mg/kg	

**Food Category No. 01.4.4 Cream analogues**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	1000 mg/kg	161 & 188
ASPARTAME	951	2008	1000 mg/kg	161 & 191
CARAMEL III - AMMONIA CARAMEL	150c	2010	5000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	5000 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2011	20 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2011	20 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2007	6000 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2011	150 mg/kg	181 & 201
NEOTAME	961	2008	33 mg/kg	161
POLYSORBATES	432-436	2005	5000 mg/kg	
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	5000 mg/kg	86
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	580 mg/kg	161

**Food Category No. 01.5.1 Milk powder and cream powder (plain)**

Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2001	500 mg/kg	10
BUTYLATED HYDROXYANISOLE	320	2006	100 mg/kg	15 & 196
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 196
CALCIUM ALUMINIUM SILICATE	556	2013	265 mg/kg	6 & 259
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2006	10000 mg/kg	

Table Two

<b>Food Category No. 01.5.1</b>		<b>Milk powder and cream powder (plain)</b>			
Additive	INS	Year Adopted	Max Level	Notes	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	4400 mg/kg	33	
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg		
PROPYL GALLATE	310	2001	200 mg/kg	15, 75 & 196	
SODIUM ALUMINOSILICATE	554	2013	265 mg/kg	6 & 259	
SUCROGLYCERIDES	474	2009	10000 mg/kg		
<b>Food Category No. 01.5.2</b>		<b>Milk and cream powder analogues</b>			
Additive	INS	Year Adopted	Max Level	Notes	
ACESULFAME POTASSIUM	950	2008	1000 mg/kg	161 & 188	
ASCORBYL ESTERS	304, 305	2001	80 mg/kg	10	
ASPARTAME	951	2007	2000 mg/kg	161 & 191	
CALCIUM ALUMINIUM SILICATE	556	2013	570 mg/kg	6 & 259	
CARAMEL III - AMMONIA CARAMEL	150c	2010	5000 mg/kg		
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	5000 mg/kg		
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg		
CAROTENOIDS	160a(i),a(iii),e,f	2011	100 mg/kg	209	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg		
GRAPE SKIN EXTRACT	163(ii)	2011	150 mg/kg	181, 201 & 209	
NEOTAME	961	2008	65 mg/kg	161	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	4400 mg/kg	33 & 88	
POLYSORBATES	432-436	2007	4000 mg/kg		
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	100000 mg/kg		
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg		
SODIUM ALUMINOSILICATE	554	2013	570 mg/kg	6 & 259	
STEVIOL GLYCOSIDES	960	2011	330 mg/kg	26 & 201	
<b>Food Category No. 01.6.1</b>		<b>Unripened cheese</b>			
Additive	INS	Year Adopted	Max Level	Notes	
ASPARTAME	951	2008	1000 mg/kg	161 & 191	
CANTHAXANTHIN	161g	2011	15 mg/kg	201	
CARAMEL III - AMMONIA CARAMEL	150c	2012	15000 mg/kg	201	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	201	

Table Two

<b>Food Category No. 01.6.1</b>		<b>Unripened cheese</b>		
Additive	INS	Year Adopted	Max Level	Notes
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	600 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2011	100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	50 mg/kg	161
INDIGOTINE (INDIGO CARMINE)	132	2009	200 mg/kg	3
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
NATAMYCIN (PIMARICIN)	235	2006	40 mg/kg	3 & 80
PHOSPHATES	338; 339(i)-(iii); 340(i)-(ii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	4400 mg/kg	33
POLYSORBATES	432-436	2008	80 mg/kg	38
PONCEAU 4R (COCHINEAL RED A)	124	2008	100 mg/kg	3 & 161
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SORBATES	200-203	2012	1000 mg/kg	42 & 223
SUNSET YELLOW FCF	110	2008	300 mg/kg	3

  

<b>Food Category No. 01.6.2</b>		<b>Ripened cheese</b>		
Additive	INS	Year Adopted	Max Level	Notes
CANTHAXANTHIN	161g	2011	15 mg/kg	201
LYSOZYME	1105	1999	GMP	
NATAMYCIN (PIMARICIN)	235	2006	40 mg/kg	3 & 80
NISIN	234	2009	12.5 mg/kg	28
SORBATES	200-203	2012	3000 mg/kg	42

  

<b>Food Category No. 01.6.2.1</b>		<b>Ripened cheese, includes rind</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2001	500 mg/kg	10 & 112
CAMEL IV - SULFITE AMMONIA CAMEL	150d	2011	50000 mg/kg	201
CARMINES	120	2005	125 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	600 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	15 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
HEXAMETHYLENE TETRAMINE	239	2001	25 mg/kg	66
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	

Table Two

<b>Food Category No. 01.6.2.2</b>		<b>Rind of ripened cheese</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	100 mg/kg	
BRILLIANT BLUE FCF	133	2005	100 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	500 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	75 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	1000 mg/kg	
INDIGOTINE (INDIGO CARMINE)	132	2009	100 mg/kg	
IRON OXIDES	172(i)-(iii)	2005	100 mg/kg	
MICROCRYSTALLINE WAX	905c(i)	2004	30000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	100 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SUNSET YELLOW FCF	110	2008	300 mg/kg	

  

<b>Food Category No. 01.6.2.3</b>		<b>Cheese powder (for reconstitution; e.g., for cheese sauces)</b>		
Additive	INS	Year Adopted	Max Level	Notes
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	50 mg/kg	

  

<b>Food Category No. 01.6.3</b>		<b>Whey cheese</b>		
Additive	INS	Year Adopted	Max Level	Notes
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
SORBATES	200-203	2006	1000 mg/kg	42

  

<b>Food Category No. 01.6.4</b>		<b>Processed cheese</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	100 mg/kg	161
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
HYDROXYBENZOATES, PARA-	214, 218	2012	300 mg/kg	27
IRON OXIDES	172(i)-(iii)	2005	50 mg/kg	
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
NATAMYCIN (PIMARICIN)	235	2006	40 mg/kg	3 & 80

Table Two

<b>Food Category No. 01.6.4</b>		<b>Processed cheese</b>		
Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	9000 mg/kg	33
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SODIUM ALUMINIUM PHOSPHATES	541(i),(ii)	2013	1600 mg/kg	6 & 251
SORBATES	200-203	2012	3000 mg/kg	42
SUNSET YELLOW FCF	110	2008	200 mg/kg	3
<b>Food Category No. 01.6.4.2</b>		<b>Flavoured processed cheese, including containing fruit, vegetables, meat, etc.</b>		
Additive	INS	Year Adopted	Max Level	Notes
CANTHAXANTHIN	161g	2011	15 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	72
CARMINES	120	2005	100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	50 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	1000 mg/kg	
INDIGOTINE (INDIGO CARMINE)	132	2009	100 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	100 mg/kg	
<b>Food Category No. 01.6.5</b>		<b>Cheese analogues</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	350 mg/kg	161 & 188
ALLURA RED AC	129	2009	100 mg/kg	3
ASPARTAME	951	2008	1000 mg/kg	161 & 191
BRILLIANT BLUE FCF	133	2009	100 mg/kg	3
CANTHAXANTHIN	161g	2011	15 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	201
CARMINES	120	2008	100 mg/kg	3 & 178
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	3
CAROTENOIDS	160a(i),a(iii),e,f	2009	200 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	50 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	1000 mg/kg	

Table Two

<b>Food Category No. 01.6.5</b>		<b>Cheese analogues</b>		
Additive	INS	Year Adopted	Max Level	Notes
HYDROXYBENZOATES, PARA-	214, 218	2009	500 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	200 mg/kg	3 & 161
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
NATAMYCIN (PIMARICIN)	235	2006	40 mg/kg	3 & 80
NEOTAME	961	2008	33 mg/kg	161
NISIN	234	2010	12.5 mg/kg	28
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	9000 mg/kg	33
PONCEAU 4R (COCHINEAL RED A)	124	2008	100 mg/kg	3
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2008	100 mg/kg	161
SORBATES	200-203	2010	3000 mg/kg	3 & 42
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	500 mg/kg	161
SUNSET YELLOW FCF	110	2008	300 mg/kg	3

  

<b>Food Category No. 01.6.6</b>		<b>Whey protein cheese</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACETIC ACID, GLACIAL	260	2006	GMP	
CALCIUM PROPIONATE	282	2006	3000 mg/kg	70
CITRIC ACID	330	2006	GMP	
GLUCONO DELTA-LACTONE	575	2006	GMP	
LACTIC ACID, L-, D- and DL-	270	2006	GMP	
MALIC ACID, DL-	296	2006	GMP	
NATAMYCIN (PIMARICIN)	235	2006	40 mg/kg	3 & 80
NISIN	234	2006	12.5 mg/kg	28
PROPIONIC ACID	280	2006	3000 mg/kg	70
SODIUM PROPIONATE	281	2006	3000 mg/kg	70
SORBATES	200-203	2006	3000 mg/kg	42

  

<b>Food Category No. 01.7</b>		<b>Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	161 & 188
ALITAME	956	2007	100 mg/kg	161
ALLURA RED AC	129	2009	300 mg/kg	161
AMMONIUM SALTS OF PHOSPHATIDIC ACID	442	2012	5000 mg/kg	231
ASCORBYL ESTERS	304, 305	2001	500 mg/kg	2 & 10

Table Two

**Food Category No. 01.7****Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)**

Additive	INS	Year Adopted	Max Level	Notes
ASPARTAME	951	2007	1000 mg/kg	161 & 191
ASPARTAME-ACESULFAME SALT	962	2009	350 mg/kg	113 & 161
BENZOATES	210-213	2001	300 mg/kg	13
BRILLIANT BLUE FCF	133	2005	150 mg/kg	
CANTHAXANTHIN	161g	2011	15 mg/kg	170
CARAMEL III - AMMONIA CARAMEL	150c	1999	2000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	1999	2000 mg/kg	
CARMINES	120	2005	150 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	500 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	250 mg/kg	17 & 161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
FAST GREEN FCF	143	1999	100 mg/kg	2
GRAPE SKIN EXTRACT	163(ii)	2009	200 mg/kg	181
HYDROXYBENZOATES, PARA-	214, 218	2012	120 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	150 mg/kg	
IRON OXIDES	172(i)-(iii)	2005	100 mg/kg	
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	170
NEOTAME	961	2007	100 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1500 mg/kg	33
POLYSORBATES	432-436	2007	3000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	150 mg/kg	161
PROPYL GALLATE	310	2001	90 mg/kg	2 & 15
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	5000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	100 mg/kg	161
SORBATES	200-203	2012	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	330 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161
SUCROGLYCERIDES	474	2009	5000 mg/kg	
SUNSET YELLOW FCF	110	2009	300 mg/kg	161



Table Two

**Food Category No. 01.8.1 Liquid whey and whey products, excluding whey cheeses**

Additive	INS	Year Adopted	Max Level	Notes
BENZOYL PEROXIDE	928	2007	100 mg/kg	74
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	880 mg/kg	33 & 228

**Food Category No. 01.8.2 Dried whey and whey products, excluding whey cheeses**

Additive	INS	Year Adopted	Max Level	Notes
BENZOYL PEROXIDE	928	2005	100 mg/kg	147
CALCIUM CARBONATE	170(i)	2006	10000 mg/kg	
CALCIUM CHLORIDE	509	2006	GMP	
CALCIUM HYDROXIDE	526	2006	GMP	
CALCIUM SILICATE	552	2006	10000 mg/kg	
HYDROXYPROPYL DISTARCH PHOSPHATE	1442	2006	10000 mg/kg	
MAGNESIUM CARBONATE	504(i)	2006	10000 mg/kg	
MAGNESIUM OXIDE	530	2006	10000 mg/kg	
MAGNESIUM SILICATE, SYNTHETIC	553(i)	2006	10000 mg/kg	
MICROCRYSTALLINE CELLULOSE (CELLULOSE GEL)	460(i)	2006	10000 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2006	4400 mg/kg	33
POTASSIUM CARBONATE	501(i)	2006	GMP	
POTASSIUM CHLORIDE	508	2006	GMP	
POTASSIUM DIHYDROGEN CITRATE	332(i)	2006	GMP	
POTASSIUM HYDROGEN CARBONATE	501(ii)	2006	GMP	
POTASSIUM HYDROXIDE	525	2006	GMP	
POWDERED CELLULOSE	460(ii)	2006	10000 mg/kg	
SILICON DIOXIDE, AMORPHOUS	551	2006	10000 mg/kg	
SODIUM ALUMINOSILICATE	554	2013	1140 mg/kg	6
SODIUM CARBONATE	500(i)	2006	GMP	
SODIUM DIHYDROGEN CITRATE	331(i)	2006	GMP	
SODIUM HYDROGEN CARBONATE	500(ii)	2006	GMP	
SODIUM HYDROXIDE	524	2006	GMP	
SODIUM SESQUICARBONATE	500(iii)	2006	GMP	
TALC	553(iii)	2006	10000 mg/kg	

Table Two

<b>Food Category No. 01.8.2</b>		<b>Dried whey and whey products, excluding whey cheeses</b>		
Additive	INS	Year Adopted	Max Level	Notes
TRIPOTASSIUM CITRATE	332(ii)	2006	GMP	
TRISODIUM CITRATE	331(iii)	2006	GMP	

  

<b>Food Category No. 02.1.1</b>		<b>Butter oil, anhydrous milkfat, ghee</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2006	500 mg/kg	10 & 171
BUTYLATED HYDROXYANISOLE	320	2006	175 mg/kg	15, 133 & 171
BUTYLATED HYDROXYTOLUENE	321	2006	75 mg/kg	15, 133 & 171
CITRIC ACID	330	2006	GMP	171
PROPYL GALLATE	310	2006	100 mg/kg	15, 133 & 171
SODIUM DIHYDROGEN CITRATE	331(i)	2006	GMP	171
TOCOPHEROLS	307a, b, c	2006	500 mg/kg	171
TRISODIUM CITRATE	331(iii)	2006	GMP	171

  

<b>Food Category No. 02.1.2</b>		<b>Vegetable oils and fats</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2006	500 mg/kg	10
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15 & 130
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 130
CAROTENES, BETA-, VEGETABLE	160a(ii)	2006	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2012	25 mg/kg	232
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2006	10000 mg/kg	
GUAIAC RESIN	314	2006	1000 mg/kg	
ISOPROPYL CITRATES	384	2005	200 mg/kg	
POLYDIMETHYLSILOXANE	900a	2006	10 mg/kg	
POLYSORBATES	432-436	2007	5000 mg/kg	102
PROPYL GALLATE	310	2006	200 mg/kg	15 & 130
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2006	10000 mg/kg	
STEARYL CITRATE	484	2006	GMP	
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15 & 130
THIODIPROPIONATES	388, 389	2006	200 mg/kg	46

  

<b>Food Category No. 02.1.3</b>		<b>Lard, tallow, fish oil, and other animal fats</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2006	500 mg/kg	10
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15 & 130
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 130
CAROTENES, BETA-, VEGETABLE	160a(ii)	2006	1000 mg/kg	

Table Two

<b>Food Category No. 02.1.3</b>		<b>Lard, tallow, fish oil, and other animal fats</b>		
Additive	INS	Year Adopted	Max Level	Notes
CAROTENOIDS	160a(i),a(iii),e,f	2011	25 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2006	10000 mg/kg	
FAST GREEN FCF	143	1999	GMP	
GUAIAC RESIN	314	2006	1000 mg/kg	
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	161
ISOPROPYL CITRATES	384	2001	200 mg/kg	
POLYDIMETHYLSILOXANE	900a	2006	10 mg/kg	
POLYSORBATES	432-436	2007	5000 mg/kg	102
PROPYL GALLATE	310	2006	200 mg/kg	15 & 130
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2006	10000 mg/kg	
STEARYL CITRATE	484	2006	GMP	
SUNSET YELLOW FCF	110	2008	300 mg/kg	161
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15 & 130
THIODIPROPIONATES	388, 389	2006	200 mg/kg	46
<b>Food Category No. 02.2.1</b>		<b>Butter</b>		
Additive	INS	Year Adopted	Max Level	Notes
ANNATTO EXTRACTS, BIXIN-BASED	160b(i)	2008	20 mg/kg	8
CALCIUM HYDROXIDE	526	2008	GMP	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2008	600 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2008	25 mg/kg	146
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2008	880 mg/kg	33 & 34
SODIUM CARBONATE	500(i)	2008	GMP	
SODIUM HYDROGEN CARBONATE	500(ii)	2008	GMP	
SODIUM HYDROXIDE	524	2008	GMP	
<b>Food Category No. 02.2.2</b>		<b>Fat spreads, dairy fat spreads and blended spreads</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2006	500 mg/kg	10
BENZOATES	210-213	2001	1000 mg/kg	13
BUTYLATED HYDROXYANISOLE	320	2005	200 mg/kg	15 & 130
BUTYLATED HYDROXYTOLUENE	321	2005	200 mg/kg	15 & 130
CANTHAXANTHIN	161g	2011	15 mg/kg	214 & 215
CARAMEL III - AMMONIA CARAMEL	150c	2010	500 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	500 mg/kg	214

Table Two

**Food Category No. 02.2.2 Fat spreads, dairy fat spreads and blended spreads**

Additive	INS	Year Adopted	Max Level	Notes
CARMINES	120	2008	500 mg/kg	161 & 178
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2010	35 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	100 mg/kg	21
HYDROXYBENZOATES, PARA-	214, 218	2012	300 mg/kg	27
ISOPROPYL CITRATES	384	2001	100 mg/kg	
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	214 & 215
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	2200 mg/kg	33
POLYDIMETHYLSILOXANE	900a	2007	10 mg/kg	152
POLYSORBATES	432-436	2007	5000 mg/kg	102
PROPYL GALLATE	310	2004	200 mg/kg	15 & 130
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	20000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SORBATES	200-203	2009	2000 mg/kg	42
STEAROYL LACTYLATES	481(i), 482(i)	2009	10000 mg/kg	
STEARYL CITRATE	484	2012	100 mg/kg	15
SUCROGLYCERIDES	474	2010	10000 mg/kg	102
TERTIARY BUTYLHYDROQUINONE	319	2005	200 mg/kg	15 & 130
THERMALLY OXIDIZED SOYA BEAN OIL INTERACTED WITH MONO- AND DIGLYCERIDES OF FATTY ACIDS	479	1999	5000 mg/kg	
THIODIPROPIONATES	388, 389	1999	200 mg/kg	46
TOCOPHEROLS	307a, b, c	2009	500 mg/kg	

**Food Category No. 02.3 Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	1000 mg/kg	161 & 188
ASCORBYL ESTERS	304, 305	2001	500 mg/kg	10
ASPARTAME	951	2008	1000 mg/kg	161 & 191
BENZOATES	210-213	2001	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2005	100 mg/kg	
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15 & 130

Table Two

**Food Category No. 02.3****Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions**

Additive	INS	Year Adopted	Max Level	Notes
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 130
CANTHAXANTHIN	161g	2011	15 mg/kg	
CAMEL III - AMMONIA CAMEL	150c	2010	20000 mg/kg	
CARMINES	120	2008	500 mg/kg	161 & 178
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	200 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
HYDROXYBENZOATES, PARA-	214, 218	2012	300 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	161
NEOTAME	961	2008	10 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	2200 mg/kg	33
POLYSORBATES	432-436	2007	5000 mg/kg	102
PROPYL GALLATE	310	2004	200 mg/kg	15 & 130
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	30000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2008	300 mg/kg	
SORBATES	200-203	2009	1000 mg/kg	42
SUCROGLYCERIDES	474	2009	10000 mg/kg	102
TERTIARY BUTYLHYDROQUINONE	319	2005	200 mg/kg	15 & 130

**Food Category No. 02.4****Fat-based desserts excluding dairy-based dessert products of food category 01.7**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	161 & 188
ALLURA RED AC	129	2009	300 mg/kg	161
ASCORBYL ESTERS	304, 305	2001	80 mg/kg	10
ASPARTAME	951	2007	1000 mg/kg	161 & 191
ASPARTAME-ACESULFAME SALT	962	2009	350 mg/kg	113 & 161
BENZOATES	210-213	2001	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2005	150 mg/kg	
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15 & 130
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 130
CANTHAXANTHIN	161g	2011	15 mg/kg	
CAMEL III - AMMONIA CAMEL	150c	2010	20000 mg/kg	
CAMEL IV - SULFITE AMMONIA CAMEL	150d	2009	20000 mg/kg	

Table Two

<b>Food Category No. 02.4</b>		<b>Fat-based desserts excluding dairy-based dessert products of food category 01.7</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARMINES	120	2005	150 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	150 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	500 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	250 mg/kg	17 & 161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
FAST GREEN FCF	143	2009	100 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	200 mg/kg	181
INDIGOTINE (INDIGO CARMINE)	132	2009	150 mg/kg	
IRON OXIDES	172(i)-(iii)	2005	350 mg/kg	
NEOTAME	961	2007	100 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1500 mg/kg	33
POLYSORBATES	432-436	2007	3000 mg/kg	102
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	
PROPYL GALLATE	310	2004	200 mg/kg	15 & 130
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2006	40000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	100 mg/kg	161
SORBATES	200-203	2010	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	330 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161
SUCROGLYCERIDES	474	2009	5000 mg/kg	
SUNSET YELLOW FCF	110	2008	50 mg/kg	
TERTIARY BUTYLHYDROQUINONE	319	2005	200 mg/kg	15 & 130

<b>Food Category No. 03.0</b>		<b>Edible ices, including sherbet and sorbet</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	800 mg/kg	161 & 188
ALITAME	956	2007	100 mg/kg	161
ALLURA RED AC	129	2009	150 mg/kg	
ASCORBYL ESTERS	304, 305	2001	200 mg/kg	10 & 15
ASPARTAME	951	2007	1000 mg/kg	161 & 191
BRILLIANT BLUE FCF	133	2005	150 mg/kg	

Table Two

<b>Food Category No. 03.0</b>		<b>Edible ices, including sherbet and sorbet</b>			
Additive	INS	Year Adopted	Max Level	Notes	
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15 & 195	
BUTYLATED HYDROXYTOLUENE	321	2006	100 mg/kg	15 & 195	
CARAMEL III - AMMONIA CARAMEL	150c	1999	1000 mg/kg		
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	1999	1000 mg/kg		
CARMINES	120	2005	150 mg/kg		
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg		
CAROTENOIDS	160a(i),a(iii),e,f	2009	200 mg/kg		
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	500 mg/kg		
CYCLAMATES	952(i), (ii), (iv)	2007	250 mg/kg	17 & 161	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2006	1000 mg/kg		
FAST GREEN FCF	143	1999	100 mg/kg		
GRAPE SKIN EXTRACT	163(ii)	2011	100 mg/kg	181	
INDIGOTINE (INDIGO CARMINE)	132	2009	150 mg/kg		
IRON OXIDES	172(i)-(iii)	2005	300 mg/kg		
NEOTAME	961	2007	100 mg/kg	161	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(ii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	7500 mg/kg	33	
POLYSORBATES	432-436	2005	1000 mg/kg		
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg		
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	5000 mg/kg		
RIBOFLAVINS	101(i),(ii)	2005	500 mg/kg		
SACCHARINS	954(i)-(iv)	2007	100 mg/kg	161	
STEVIOL GLYCOSIDES	960	2011	270 mg/kg	26	
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	320 mg/kg	161	
SUCROGLYCERIDES	474	2009	5000 mg/kg		
SUNSET YELLOW FCF	110	2008	50 mg/kg		
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15 & 195	

  

<b>Food Category No. 04.1.1.2</b>		<b>Surface-treated fresh fruit</b>			
Additive	INS	Year Adopted	Max Level	Notes	
BEESWAX	901	2003	GMP		
CANDELILLA WAX	902	2003	GMP		
CARMINES	120	2008	500 mg/kg	4 & 16	
CARNAUBA WAX	903	2004	400 mg/kg		

Table Two

<b>Food Category No. 04.1.1.2</b>		<b>Surface-treated fresh fruit</b>		
Additive	INS	Year Adopted	Max Level	Notes
GLYCEROL ESTER OF WOOD ROSIN	445(iii)	2005	110 mg/kg	
IRON OXIDES	172(i)-(iii)	2008	1000 mg/kg	4 & 16
MICROCRYSTALLINE WAX	905c(i)	2004	50 mg/kg	
ORTHO-PHENYLPHENOLS	231, 232	1999	12 mg/kg	49
POLYETHYLENE GLYCOL	1521	2001	GMP	
POLYVINYLPIRROLIDONE	1201	1999	GMP	
RIBOFLAVINS	101(i),(ii)	2008	300 mg/kg	4 & 16
SHELLAC, BLEACHED	904	2003	GMP	
SUCROGLYCERIDES	474	2009	GMP	
SULFITES	220-225, 227, 228, 539	2011	30 mg/kg	44 & 204

  

<b>Food Category No. 04.1.2</b>		<b>Processed fruit</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARNAUBA WAX	903	2004	400 mg/kg	

  

<b>Food Category No. 04.1.2.1</b>		<b>Frozen fruit</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	500 mg/kg	161 & 188
ASPARTAME	951	2008	2000 mg/kg	161 & 191
NEOTAME	961	2008	100 mg/kg	161
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	400 mg/kg	161
SULFITES	220-225, 227, 228, 539	2007	500 mg/kg	44 & 155

  

<b>Food Category No. 04.1.2.2</b>		<b>Dried fruit</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	500 mg/kg	161 & 188
ASCORBYL ESTERS	304, 305	2001	80 mg/kg	10
ASPARTAME	951	2008	2000 mg/kg	161 & 191
BENZOATES	210-213	2003	800 mg/kg	13
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	265 mg/kg	21
HYDROXYBENZOATES, PARA-	214, 218	2010	800 mg/kg	27
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
MINERAL OIL, HIGH VISCOSITY	905d	2005	5000 mg/kg	
MINERAL OIL, MEDIUM VISCOSITY	905e	2005	5000 mg/kg	
NEOTAME	961	2008	100 mg/kg	161
SORBATES	200-203	2012	500 mg/kg	42
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	1500 mg/kg	161



Table Two

<b>Food Category No. 04.1.2.2</b>		<b>Dried fruit</b>		
Additive	INS	Year Adopted	Max Level	Notes
SULFITES	220-225, 227, 228, 539	2006	1000 mg/kg	44, 135 & 218

  

<b>Food Category No. 04.1.2.3</b>		<b>Fruit in vinegar, oil, or brine</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	200 mg/kg	161 & 188
ASPARTAME	951	2007	300 mg/kg	144 & 191
BENZOATES	210-213	2001	1000 mg/kg	13
CARAMEL III - AMMONIA CARAMEL	150c	2010	200 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	7500 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	1000 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2005	100 mg/kg	62
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	1000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2008	250 mg/kg	21
GRAPE SKIN EXTRACT	163(ii)	2009	1500 mg/kg	161
HYDROXYBENZOATES, PARA-	214, 218	2012	250 mg/kg	27
NEOTAME	961	2007	100 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
SACCHARINS	954(i)-(iv)	2007	160 mg/kg	144
SORBATES	200-203	2009	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	100 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	180 mg/kg	144
SULFITES	220-225, 227, 228, 539	2006	100 mg/kg	44

<b>Food Category No. 04.1.2.4</b>		<b>Canned or bottled (pasteurized) fruit</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	161 & 188
ASPARTAME	951	2007	1000 mg/kg	161 & 191
ASPARTAME-ACESULFAME SALT	962	2009	350 mg/kg	113 & 161
BRILLIANT BLUE FCF	133	2009	200 mg/kg	161
CARAMEL III - AMMONIA CARAMEL	150c	2010	200 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	7500 mg/kg	

Table Two

<b>Food Category No. 04.1.2.4</b>		<b>Canned or bottled (pasteurized) fruit</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARMINES	120	2005	200 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2010	200 mg/kg	161
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2005	100 mg/kg	62
CYCLAMATES	952(i), (ii), (iv)	2007	1000 mg/kg	17 & 161
FAST GREEN FCF	143	1999	200 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2011	1500 mg/kg	181
IRON OXIDES	172(i)-(iii)	2005	300 mg/kg	
NEOTAME	961	2007	33 mg/kg	161
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	300 mg/kg	161
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	200 mg/kg	161
STANNOUS CHLORIDE	512	2001	20 mg/kg	43
STEVIOLE GLYCOSIDES	960	2011	330 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161

<b>Food Category No. 04.1.2.5</b>		<b>Jams, jellies, marmelades</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	1000 mg/kg	161 & 188
ALITAME	956	2007	100 mg/kg	161
ALLURA RED AC	129	2009	100 mg/kg	161
ASPARTAME	951	2007	1000 mg/kg	161 & 191
ASPARTAME-ACESULFAME SALT	962	2009	1000 mg/kg	119 & 161
BENZOATES	210-213	2001	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2009	100 mg/kg	161
CANTHAXANTHIN	161g	2011	200 mg/kg	5
CARAMEL III - AMMONIA CARAMEL	150c	2010	200 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	1999	1500 mg/kg	
CARMINES	120	2005	200 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	200 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	200 mg/kg	161
CYCLAMATES	952(i), (ii), (iv)	2007	1000 mg/kg	17 & 161
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	130 mg/kg	21
FAST GREEN FCF	143	1999	400 mg/kg	

Table Two

<b>Food Category No. 04.1.2.5 Jams, jellies, marmelades</b>				
Additive	INS	Year Adopted	Max Level	Notes
GRAPE SKIN EXTRACT	163(ii)	2009	500 mg/kg	161 & 181
HYDROXYBENZOATES, PARA-	214, 218	2012	250 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	161
IRON OXIDES	172(i)-(iii)	2005	200 mg/kg	
NEOTAME	961	2007	70 mg/kg	161
POLYDIMETHYLSILOXANE	900a	1999	30 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	100 mg/kg	161
RIBOFLAVINS	101(i),(ii)	2005	200 mg/kg	
SACCHARINS	954(i)-(iv)	2007	200 mg/kg	161
SORBATES	200-203	2012	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	360 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161
SULFITES	220-225, 227, 228, 539	2008	100 mg/kg	44
SUNSET YELLOW FCF	110	2008	300 mg/kg	161

<b>Food Category No. 04.1.2.6 Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5</b>				
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	1000 mg/kg	161 & 188
ASPARTAME	951	2007	1000 mg/kg	161 & 191
BENZOATES	210-213	2001	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2009	100 mg/kg	161
CANTHAXANTHIN	161g	2011	15 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	1999	500 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	1999	500 mg/kg	
CARMINES	120	2005	500 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	500 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	500 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	150 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	2000 mg/kg	17 & 161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	100 mg/kg	21
FAST GREEN FCF	143	2009	100 mg/kg	161
GRAPE SKIN EXTRACT	163(ii)	2009	500 mg/kg	161 & 181
HYDROXYBENZOATES, PARA-	214, 218	2012	1000 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	161
IRON OXIDES	172(i)-(iii)	2005	500 mg/kg	

Table Two

<b>Food Category No. 04.1.2.6</b>		<b>Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5</b>		
Additive	INS	Year Adopted	Max Level	Notes
NEOTAME	961	2007	70 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	1100 mg/kg	33
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	500 mg/kg	161
RIBOFLAVINS	101(i),(ii)	2005	500 mg/kg	
SACCHARINS	954(i)-(iv)	2007	200 mg/kg	161
SORBATES	200-203	2009	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	330 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161
SUNSET YELLOW FCF	110	2008	300 mg/kg	161
<b>Food Category No. 04.1.2.7</b>		<b>Candied fruit</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	500 mg/kg	161 & 188
ALLURA RED AC	129	2009	300 mg/kg	161
ASPARTAME	951	2007	2000 mg/kg	161 & 191
BENZOATES	210-213	2001	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2009	100 mg/kg	161
CARAMEL III - AMMONIA CARAMEL	150c	2010	200 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	7500 mg/kg	
CARMINES	120	2005	200 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	200 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	250 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	1000 mg/kg	
ERYTHROSINE	127	2005	200 mg/kg	54
FAST GREEN FCF	143	2009	100 mg/kg	161
GRAPE SKIN EXTRACT	163(ii)	2011	1000 mg/kg	
HYDROXYBENZOATES, PARA-	214, 218	2010	1000 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	200 mg/kg	161
IRON OXIDES	172(i)-(iii)	2005	250 mg/kg	
NEOTAME	961	2007	65 mg/kg	161

Table Two

<b>Food Category No. 04.1.2.7 Candied fruit</b>				
Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	10 mg/kg	33
PONCEAU 4R (COCHINEAL RED A)	124	2008	200 mg/kg	161
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SORBATES	200-203	2012	500 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	40 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	800 mg/kg	161
SULFITES	220-225, 227, 228, 539	2006	100 mg/kg	44
SUNSET YELLOW FCF	110	2008	200 mg/kg	161
<b>Food Category No. 04.1.2.8 Fruit preparations, including pulp, purees, fruit toppings and coconut milk</b>				
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	161 & 188
ALLURA RED AC	129	2009	300 mg/kg	161 & 182
ASPARTAME	951	2007	1000 mg/kg	161 & 191
ASPARTAME-ACESULFAME SALT	962	2009	350 mg/kg	113 & 161
BENZOATES	210-213	2001	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2009	100 mg/kg	161 & 182
CARAMEL III - AMMONIA CARAMEL	150c	2008	7500 mg/kg	182
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2008	7500 mg/kg	182
CARMINES	120	2008	500 mg/kg	182
CAROTENES, BETA-, VEGETABLE	160a(ii)	2011	100 mg/kg	182
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	161 & 182
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2008	100 mg/kg	62 & 182
CYCLAMATES	952(i), (ii), (iv)	2007	250 mg/kg	17 & 161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	2500 mg/kg	
FAST GREEN FCF	143	2009	100 mg/kg	161 & 182
GRAPE SKIN EXTRACT	163(ii)	2011	500 mg/kg	179, 181 & 182
HYDROXYBENZOATES, PARA-	214, 218	2010	800 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	150 mg/kg	161 & 182
NEOTAME	961	2007	100 mg/kg	161

Table Two

**Food Category No. 04.1.2.8 Fruit preparations, including pulp, purees, fruit toppings and coconut milk**

Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	350 mg/kg	33
POLYSORBATES	432-436	2007	1000 mg/kg	154
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	161 & 182
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	40000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2008	300 mg/kg	182
SACCHARINS	954(i)-(iv)	2007	200 mg/kg	161
SORBATES	200-203	2012	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	330 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161
SULFITES	220-225, 227, 228, 539	2012	100 mg/kg	44 & 206
SUNSET YELLOW FCF	110	2008	300 mg/kg	161 & 182

**Food Category No. 04.1.2.9 Fruit-based desserts, including fruit-flavoured water-based desserts**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	161 & 188
ALLURA RED AC	129	2009	300 mg/kg	161
ASCORBYL ESTERS	304, 305	2001	500 mg/kg	2 & 10
ASPARTAME	951	2007	1000 mg/kg	161 & 191
ASPARTAME-ACESULFAME SALT	962	2009	350 mg/kg	113 & 161
BENZOATES	210-213	2001	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2005	150 mg/kg	
CANTHAXANTHIN	161g	2011	15 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	200 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	7500 mg/kg	
CARMINES	120	2005	150 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	150 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	150 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	250 mg/kg	17 & 161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	2500 mg/kg	
FAST GREEN FCF	143	2009	100 mg/kg	161
GRAPE SKIN EXTRACT	163(ii)	2009	500 mg/kg	161 & 181

Table Two

<b>Food Category No. 04.1.2.9</b>		<b>Fruit-based desserts, including fruit-flavoured water-based desserts</b>		
Additive	INS	Year Adopted	Max Level	Notes
HYDROXYBENZOATES, PARA-	214, 218	2012	800 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	150 mg/kg	161
IRON OXIDES	172(i)-(iii)	2005	200 mg/kg	
NEOTAME	961	2007	100 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(ii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1500 mg/kg	33
POLYDIMETHYLSILOXANE	900a	1999	110 mg/kg	
POLYSORBATES	432-436	2007	3000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	161
PROPYL GALLATE	310	2001	90 mg/kg	2 & 15
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	40000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	100 mg/kg	161
SORBATES	200-203	2012	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	350 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161
SUCROGLYCERIDES	474	2009	5000 mg/kg	
SULFITES	220-225, 227, 228, 539	2008	100 mg/kg	44
SUNSET YELLOW FCF	110	2008	50 mg/kg	161
<b>Food Category No. 04.1.2.10</b>		<b>Fermented fruit products</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	161 & 188
ASPARTAME	951	2007	1000 mg/kg	161 & 191
BENZOATES	210-213	2001	1000 mg/kg	13
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	200 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	500 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2005	100 mg/kg	62
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	2500 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2008	250 mg/kg	21
GRAPE SKIN EXTRACT	163(ii)	2009	500 mg/kg	161 & 181
HYDROXYBENZOATES, PARA-	214, 218	2010	800 mg/kg	27
NEOTAME	961	2007	65 mg/kg	161

Table Two

<b>Food Category No. 04.1.2.10 Fermented fruit products</b>				
Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	2200 mg/kg	33
POLYDIMETHYLSILOXANE	900a	2008	10 mg/kg	
RIBOFLAVINS	101(i),(ii)	2008	500 mg/kg	
SACCHARINS	954(i)-(iv)	2008	160 mg/kg	161
SORBATES	200-203	2009	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	115 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	150 mg/kg	161
SULFITES	220-225, 227, 228, 539	2008	100 mg/kg	44
<b>Food Category No. 04.1.2.11 Fruit fillings for pastries</b>				
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	161 & 188
ALLURA RED AC	129	2009	300 mg/kg	161
ASPARTAME	951	2007	1000 mg/kg	161 & 191
BENZOATES	210-213	2001	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2005	250 mg/kg	
CANTHAXANTHIN	161g	2011	15 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	1999	7500 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	1999	7500 mg/kg	
CARMINES	120	2005	300 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2009	100 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2005	100 mg/kg	62
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	650 mg/kg	21
FAST GREEN FCF	143	2009	100 mg/kg	161
GRAPE SKIN EXTRACT	163(ii)	2009	500 mg/kg	161 & 181
HYDROXYBENZOATES, PARA-	214, 218	2010	800 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	150 mg/kg	161
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
NEOTAME	961	2007	100 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1500 mg/kg	33



Table Two

<b>Food Category No. 04.1.2.11</b>		<b>Fruit fillings for pastries</b>		
Additive	INS	Year Adopted	Max Level	Notes
POLYSORBATES	432-436	2007	3000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	161
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	40000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SORBATES	200-203	2009	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	330 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161
SULFITES	220-225, 227, 228, 539	2006	100 mg/kg	44
SUNSET YELLOW FCF	110	2008	300 mg/kg	161

  

<b>Food Category No. 04.1.2.12</b>		<b>Cooked fruit</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	500 mg/kg	161 & 188
ASPARTAME	951	2007	1000 mg/kg	161 & 191
BENZOATES	210-213	2001	1000 mg/kg	13
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2005	100 mg/kg	62
NEOTAME	961	2007	65 mg/kg	161
SORBATES	200-203	2009	1200 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	40 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	150 mg/kg	161

  

<b>Food Category No. 04.2.1.1</b>		<b>Untreated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes [(including soybeans)], and aloe vera), seaweeds, and nuts and seeds</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACETIC ACID, GLACIAL	260	2013	GMP	262 & 263
ASCORBIC ACID, L-	300	2013	500 mg/kg	262
CITRIC ACID	330	2013	GMP	262 & 264
LACTIC ACID, L-, D- and DL-	270	2013	GMP	262 & 264

  

<b>Food Category No. 04.2.1.2</b>		<b>Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds</b>		
Additive	INS	Year Adopted	Max Level	Notes
BEE SWAX	901	2003	GMP	79

**Food Category No. 04.2.1.2 Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds**

Additive	INS	Year Adopted	Max Level	Notes
CANDELILLA WAX	902	2003	GMP	79
CARMINES	120	2008	500 mg/kg	4 & 16
CARNAUBA WAX	903	2004	400 mg/kg	79
CAROTENOIDS	160a(i),a(iii),e,f	2010	500 mg/kg	4, 16 & 161
GLYCEROL ESTER OF WOOD ROSIN	445(iii)	2005	110 mg/kg	
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
MICROCRYSTALLINE WAX	905c(i)	2004	50 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	1760 mg/kg	16 & 33
RIBOFLAVINS	101(i),(ii)	2008	300 mg/kg	4 & 16
SHELLAC, BLEACHED	904	2003	GMP	79
SUNSET YELLOW FCF	110	2008	300 mg/kg	4 & 16

**Food Category No. 04.2.1.3 Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds**

Additive	INS	Year Adopted	Max Level	Notes
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	5600 mg/kg	33 & 76
SULFITES	220-225, 227, 228, 539	2006	50 mg/kg	44, 76 & 136

**Food Category No. 04.2.2 Processed vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds**

Additive	INS	Year Adopted	Max Level	Notes
CAMEL IV - SULFITE AMMONIA CAMEL	150d	2009	50000 mg/kg	92 & 161

Table Two

**Food Category No. 04.2.2.1 Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds**

Additive	INS	Year Adopted	Max Level	Notes
ACETIC ACID, GLACIAL	260	2013	GMP	262 & 263
ASPARTAME	951	2008	1000 mg/kg	161 & 191
CITRIC ACID	330	2013	GMP	242, 262, 264 & 265
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2006	100 mg/kg	21 & 110
LACTIC ACID, L-, D- and DL-	270	2013	GMP	262 & 264
MALIC ACID, DL-	296	2013	GMP	265
NEOTAME	961	2008	33 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	5000 mg/kg	33 & 76
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	15
SACCHARINS	954(i)-(iv)	2008	500 mg/kg	161
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	150 mg/kg	161
SULFITES	220-225, 227, 228, 539	2006	50 mg/kg	44, 76, 136 & 137

**Food Category No. 04.2.2.2 Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds**

Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2001	80 mg/kg	10
ASPARTAME	951	2008	1000 mg/kg	161 & 191
BENZOATES	210-213	2003	1000 mg/kg	13
BUTYLATED HYDROXYANISOLE	320	2005	200 mg/kg	15, 76 & 196
BUTYLATED HYDROXYTOLUENE	321	2005	200 mg/kg	15, 76 & 196
CANTHAXANTHIN	161g	2011	10 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	76 & 161
CAROTENES, BETA-, VEGETABLE	160a(ii)	2011	200 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	1000 mg/kg	161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	800 mg/kg	21 & 64
NEOTAME	961	2008	33 mg/kg	161

Table Two

**Food Category No. 04.2.2.2 Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds**

Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	5000 mg/kg	33 & 76
PROPYL GALLATE	310	2001	50 mg/kg	15, 76 & 196
SACCHARINS	954(i)-(iv)	2008	500 mg/kg	161
STEVIOL GLYCOSIDES	960	2011	40 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	580 mg/kg	161
SULFITES	220-225, 227, 228, 539	2006	500 mg/kg	44 & 105

**Food Category No. 04.2.2.3 Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	200 mg/kg	144 & 188
ALLURA RED AC	129	2009	300 mg/kg	161
ALUMINIUM AMMONIUM SULFATE	523	2013	520 mg/kg	6 & 245
ASPARTAME	951	2007	300 mg/kg	144 & 191
ASPARTAME-ACESULFAME SALT	962	2009	200 mg/kg	113 & 161
BENZOATES	210-213	2001	2000 mg/kg	13
BRILLIANT BLUE FCF	133	2009	500 mg/kg	161
CARAMEL III - AMMONIA CARAMEL	150c	1999	500 mg/kg	
CARMINES	120	2008	500 mg/kg	161 & 178
CAROTENES, BETA-, VEGETABLE	160a(ii)	2011	1320 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2010	50 mg/kg	161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	2500 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	250 mg/kg	21
FAST GREEN FCF	143	1999	300 mg/kg	
FERROUS GLUCONATE	579	1999	150 mg/kg	23 & 48
FERROUS LACTATE	585	1999	150 mg/kg	23 & 48
GRAPE SKIN EXTRACT	163(ii)	2011	100 mg/kg	179 & 181
HYDROXYBENZOATES, PARA-	214, 218	2010	1000 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	150 mg/kg	161
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
NEOTAME	961	2007	10 mg/kg	144

Table Two

**Food Category No. 04.2.2.3 Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce**

Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	500 mg/kg	
SACCHARINS	954(i)-(iv)	2007	160 mg/kg	144
SORBATES	200-203	2012	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	330 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	
SULFITES	220-225, 227, 228, 539	2006	100 mg/kg	44

**Food Category No. 04.2.2.4 Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	350 mg/kg	161 & 188
ALLURA RED AC	129	2009	200 mg/kg	161
ASPARTAME	951	2008	1000 mg/kg	161 & 191
BRILLIANT BLUE FCF	133	2009	200 mg/kg	161
CAMEL III - AMMONIA CAMEL	150c	2010	50000 mg/kg	161
CAROTENES, BETA-, VEGETABLE	160a(ii)	2011	200 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2010	50 mg/kg	161
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	365 mg/kg	21
FAST GREEN FCF	143	1999	200 mg/kg	
NEOTAME	961	2008	33 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
SACCHARINS	954(i)-(iv)	2008	160 mg/kg	144 & 161
STANNOUS CHLORIDE	512	2001	25 mg/kg	43
STEVIOL GLYCOSIDES	960	2011	70 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	580 mg/kg	161

Table Two

**Food Category No. 04.2.2.4 Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds**

Additive	INS	Year Adopted	Max Level	Notes
SULFITES	220-225, 227, 228, 539	2006	50 mg/kg	44

**Food Category No. 04.2.2.5 Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	1000 mg/kg	188
ASPARTAME	951	2008	1000 mg/kg	161 & 191
BENZOATES	210-213	2001	1000 mg/kg	13
CAMEL III - AMMONIA CAMEL	150c	2010	50000 mg/kg	
CARMINES	120	2005	100 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2010	50 mg/kg	161
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2005	100 mg/kg	62
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	250 mg/kg	21
GRAPE SKIN EXTRACT	163(ii)	2011	100 mg/kg	179 & 181
HYDROXYBENZOATES, PARA-	214, 218	2010	1000 mg/kg	27
NEOTAME	961	2008	33 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33 & 76
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
SACCHARINS	954(i)-(iv)	2008	160 mg/kg	161
SORBATES	200-203	2012	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	330 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161 & 169
SULFITES	220-225, 227, 228, 539	2006	500 mg/kg	44 & 138

Table Two

**Food Category No. 04.2.2.6 Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	161 & 188
ALLURA RED AC	129	2009	200 mg/kg	92 & 161
ASPARTAME	951	2008	1000 mg/kg	161 & 191
ASPARTAME-ACESULFAME SALT	962	2009	350 mg/kg	113 & 161
BENZOATES	210-213	2001	3000 mg/kg	13
BRILLIANT BLUE FCF	133	2009	100 mg/kg	92 & 161
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	161
CARMINES	120	2008	200 mg/kg	92
CAROTENES, BETA-, VEGETABLE	160a(ii)	2008	1000 mg/kg	92
CAROTENOIDS	160a(i),a(iii),e,f	2010	50 mg/kg	92 & 161
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2008	100 mg/kg	62 & 92
CYCLAMATES	952(i), (ii), (iv)	2008	250 mg/kg	17 & 161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	2500 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	80 mg/kg	21
GRAPE SKIN EXTRACT	163(ii)	2011	100 mg/kg	92 & 181
HYDROXYBENZOATES, PARA-	214, 218	2010	1000 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	200 mg/kg	92 & 161
NEOTAME	961	2007	33 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
POLYDIMETHYLSILOXANE	900a	2004	50 mg/kg	
POLYSORBATES	432-436	2007	3000 mg/kg	
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	5000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2008	300 mg/kg	92
SACCHARINS	954(i)-(iv)	2008	200 mg/kg	161
SORBATES	200-203	2012	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	165 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161
SUCROGLYCERIDES	474	2009	5000 mg/kg	
SULFITES	220-225, 227, 228, 539	2011	300 mg/kg	44 & 205

**Food Category No. 04.2.2.6** **Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5**

Additive	INS	Year Adopted	Max Level	Notes
SUNSET YELLOW FCF	110	2008	50 mg/kg	92

**Food Category No. 04.2.2.7** **Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	1000 mg/kg	188
ACETIC ACID, GLACIAL	260	2013	GMP	
ALGINIC ACID	400	2013	GMP	
ASCORBIC ACID, L-	300	2013	GMP	
ASPARTAME	951	2008	2500 mg/kg	161 & 191
BENZOATES	210-213	2001	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2009	100 mg/kg	92 & 161
CALCIUM CARBONATE	170(i)	2013	GMP	
CALCIUM CHLORIDE	509	2013	GMP	
CALCIUM LACTATE	327	2013	10000 mg/kg	58
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	161
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	50 mg/kg	
CARRAGEENAN	407	2013	GMP	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2005	100 mg/kg	62
CITRIC ACID	330	2013	GMP	
CITRIC AND FATTY ACID ESTERS OF GLYCEROL	472c	2013	GMP	
DEXTRINS, ROASTED STARCH	1400	2013	GMP	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	2500 mg/kg	
ERYTHROSINE	127	2011	30 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	250 mg/kg	21
FAST GREEN FCF	143	2009	100 mg/kg	161
FUMARIC ACID	297	2013	GMP	
GRAPE SKIN EXTRACT	163(ii)	2009	100 mg/kg	161 & 181



Table Two

**Food Category No. 04.2.2.7 Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3**

Additive	INS	Year Adopted	Max Level	Notes
GUAR GUM	412	2013	GMP	
HYDROXYBENZOATES, PARA-	214, 218	2012	300 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	161
LACTIC ACID, L-, D- and DL-	270	2013	GMP	
LECITHIN	322(i)	2013	GMP	
MAGNESIUM CARBONATE	504(i)	2013	5000 mg/kg	36
MALIC ACID, DL-	296	2013	GMP	
NEOTAME	961	2007	33 mg/kg	161
PECTINS	440	2013	GMP	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2010	2200 mg/kg	33
POLYDIMETHYLSILOXANE	900a	2008	10 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	500 mg/kg	161
POTASSIUM CARBONATE	501(i)	2013	GMP	
POTASSIUM CHLORIDE	508	2013	GMP	
PROCESSED EUCHEUMA SEAWEED (PES)	407a	2013	GMP	
RIBOFLAVINS	101(i),(ii)	2008	500 mg/kg	
SACCHARINS	954(i)-(iv)	2008	200 mg/kg	161
SODIUM ACETATE	262(i)	2013	GMP	
SODIUM CARBONATE	500(i)	2013	GMP	
SODIUM DL-MALATE	350(ii)	2013	GMP	
SODIUM FUMARATES	365	2013	GMP	
SODIUM GLUCONATE	576	2013	GMP	
SODIUM LACTATE	325	2013	GMP	
SORBATES	200-203	2012	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	200 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	580 mg/kg	161
SULFITES	220-225, 227, 228, 539	2006	500 mg/kg	44
SUNSET YELLOW FCF	110	2008	200 mg/kg	92
TRISODIUM CITRATE	331(iii)	2013	GMP	
XANTHAN GUM	415	2013	GMP	

**Food Category No. 04.2.2.8** **Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds**

Additive	INS	Year Adopted	Max Level	Notes
ASPARTAME	951	2008	1000 mg/kg	161 & 191
BENZOATES	210-213	2001	1000 mg/kg	13
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	161
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2005	100 mg/kg	62
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	2500 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	250 mg/kg	21
NEOTAME	961	2008	33 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33 & 76
SACCHARINS	954(i)-(iv)	2008	160 mg/kg	144 & 161
SORBATES	200-203	2012	1000 mg/kg	42 & 221
STEVIOL GLYCOSIDES	960	2011	40 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	150 mg/kg	144 & 161

**Food Category No. 05.0** **Confectionery**

Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2001	500 mg/kg	10, 15 & 114
MINERAL OIL, MEDIUM VISCOSITY	905e	2004	2000 mg/kg	3

**Food Category No. 05.1** **Cocoa products and chocolate products including imitations and chocolate substitutes**

Additive	INS	Year Adopted	Max Level	Notes
MINERAL OIL, HIGH VISCOSITY	905d	2004	2000 mg/kg	3
PROPYL GALLATE	310	2001	200 mg/kg	15 & 130

**Food Category No. 05.1.1** **Cocoa mixes (powders) and cocoa mass/cake**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	97 & 188
AMMONIUM SALTS OF PHOSPHATIDIC ACID	442	2009	10000 mg/kg	97
ASPARTAME	951	2007	3000 mg/kg	97 & 191

Table Two

<b>Food Category No. 05.1.1</b>		<b>Cocoa mixes (powders) and cocoa mass/cake</b>		
Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1100 mg/kg	33
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2007	5000 mg/kg	97
SACCHARINS	954(i)-(iv)	2008	100 mg/kg	97 & 161
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	580 mg/kg	97
<b>Food Category No. 05.1.2</b>		<b>Cocoa mixes (syrops)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	97, 161 & 188
ALITAME	956	2007	300 mg/kg	161
ASPARTAME	951	2007	1000 mg/kg	161 & 191
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2012	50000 mg/kg	
CARMINES	120	2005	300 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	6.4 mg/kg	62 & 161
CYCLAMATES	952(i), (ii), (iv)	2007	250 mg/kg	17, 127 & 161
NEOTAME	961	2007	33 mg/kg	97 & 161
POLYSORBATES	432-436	2007	500 mg/kg	
SACCHARINS	954(i)-(iv)	2007	80 mg/kg	161
SORBATES	200-203	2012	1000 mg/kg	42
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	97 & 161
<b>Food Category No. 05.1.3</b>		<b>Cocoa-based spreads, including fillings</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	1000 mg/kg	161 & 188
ALITAME	956	2007	300 mg/kg	161
ALLURA RED AC	129	2009	300 mg/kg	161
ASPARTAME	951	2008	3000 mg/kg	161 & 191
BENZOATES	210-213	2003	1500 mg/kg	13
BRILLIANT BLUE FCF	133	2009	100 mg/kg	161
CARAMEL III - AMMONIA CARAMEL	150c	2012	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2012	50000 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2012	100 mg/kg	

Table Two

<b>Food Category No. 05.1.3</b>		<b>Cocoa-based spreads, including fillings</b>		
Additive	INS	Year Adopted	Max Level	Notes
CAROTENOIDS	160a(i),a(iii),e,f	2010	100 mg/kg	161
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	6.4 mg/kg	62 & 161
CYCLAMATES	952(i), (ii), (iv)	2007	500 mg/kg	17 & 161
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	50 mg/kg	21
GRAPE SKIN EXTRACT	163(ii)	2012	200 mg/kg	181
HYDROXYBENZOATES, PARA-	214, 218	2012	300 mg/kg	27
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
NEOTAME	961	2007	100 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)- (iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	880 mg/kg	33
POLYSORBATES	432-436	2007	1000 mg/kg	
SACCHARINS	954(i)-(iv)	2007	200 mg/kg	161
SORBATES	200-203	2012	1000 mg/kg	42
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161 & 169

  

<b>Food Category No. 05.1.4</b>		<b>Cocoa and chocolate products</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	500 mg/kg	161 & 188
ALITAME	956	2007	300 mg/kg	161
ALLURA RED AC	129	2009	300 mg/kg	183
AMMONIUM SALTS OF PHOSPHATIDIC ACID	442	2009	10000 mg/kg	
ASPARTAME	951	2008	3000 mg/kg	161 & 191
BEESWAX	901	2001	GMP	3
BRILLIANT BLUE FCF	133	2009	100 mg/kg	183
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15, 130 & 141
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15, 130 & 141
CANDELILLA WAX	902	2001	GMP	3
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	183
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2012	50000 mg/kg	183
CARNAUBA WAX	903	2006	5000 mg/kg	3
CAROTENES, BETA-, VEGETABLE	160a(ii)	2012	100 mg/kg	183
CAROTENOIDS	160a(i),a(iii),e,f	2010	100 mg/kg	183
CASTOR OIL	1503	2007	350 mg/kg	

Table Two

<b>Food Category No. 05.1.4</b>		<b>Cocoa and chocolate products</b>		
Additive	INS	Year Adopted	Max Level	Notes
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	700 mg/kg	183
CYCLAMATES	952(i), (ii), (iv)	2007	500 mg/kg	17 & 161
GRAPE SKIN EXTRACT	163(ii)	2012	200 mg/kg	181 & 183
INDIGOTINE (INDIGO CARMINE)	132	2009	450 mg/kg	183
NEOTAME	961	2007	80 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1100 mg/kg	33
POLYSORBATES	432-436	2007	5000 mg/kg	101
PONCEAU 4R (COCHINEAL RED A)	124	2008	300 mg/kg	183
SACCHARINS	954(i)-(iv)	2007	500 mg/kg	161
SHELLAC, BLEACHED	904	2001	GMP	3
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	800 mg/kg	161
SUNSET YELLOW FCF	110	2008	400 mg/kg	183
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15, 130 & 141

<b>Food Category No. 05.1.5</b>		<b>Imitation chocolate, chocolate substitute products</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	500 mg/kg	161 & 188
ALITAME	956	2007	300 mg/kg	161
ALLURA RED AC	129	2009	300 mg/kg	
AMMONIUM SALTS OF PHOSPHATIDIC ACID	442	2009	10000 mg/kg	
ASPARTAME	951	2008	3000 mg/kg	161 & 191
ASPARTAME-ACESULFAME SALT	962	2009	500 mg/kg	113 & 161
BEESWAX	901	2001	GMP	3
BENZOATES	210-213	2003	1500 mg/kg	13
BRILLIANT BLUE FCF	133	2009	100 mg/kg	
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 197
CANDELILLA WAX	902	2001	GMP	3
CARAMEL III - AMMONIA CARAMEL	150c	2009	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2012	50000 mg/kg	
CARMINES	120	2005	300 mg/kg	
CARNAUBA WAX	903	2006	5000 mg/kg	3
CAROTENES, BETA-, VEGETABLE	160a(ii)	2010	100 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	

Table Two

**Food Category No. 05.1.5 Imitation chocolate, chocolate substitute products**

Additive	INS	Year Adopted	Max Level	Notes
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	700 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	500 mg/kg	17 & 161
GRAPE SKIN EXTRACT	163(ii)	2009	200 mg/kg	181
HYDROXYBENZOATES, PARA-INDIGOTINE (INDIGO CARMINE)	214, 218	2009	300 mg/kg	27
NEOTAME	132	2009	300 mg/kg	
PHOSPHATES	961	2007	100 mg/kg	161
	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	2200 mg/kg	33
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
POLYSORBATES	432-436	2007	5000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	1000 mg/kg	
SACCHARINS	954(i)-(iv)	2007	500 mg/kg	161
SHELLAC, BLEACHED	904	2001	GMP	3
SORBATES	200-203	2009	1500 mg/kg	42
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	800 mg/kg	161
SUNSET YELLOW FCF	110	2008	300 mg/kg	161

**Food Category No. 05.2 Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4**

Additive	INS	Year Adopted	Max Level	Notes
ALITAME	956	2007	300 mg/kg	161
ALLURA RED AC	129	2009	300 mg/kg	
BEESWAX	901	2001	GMP	3
BENZOATES	210-213	2003	1500 mg/kg	13
BRILLIANT BLUE FCF	133	2005	300 mg/kg	
BUTYLATED HYDROXYANISOLE	320	2007	200 mg/kg	15 & 130
BUTYLATED HYDROXYTOLUENE	321	2007	200 mg/kg	15 & 130
CANDELILLA WAX	902	2001	GMP	3
CARAMEL III - AMMONIA CARAMEL	150c	2012	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2012	50000 mg/kg	
CARMINES	120	2005	300 mg/kg	
CARNAUBA WAX	903	2006	5000 mg/kg	3
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	500 mg/kg	

**Food Category No. 05.2 Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4**

Additive	INS	Year Adopted	Max Level	Notes
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	
CASTOR OIL	1503	2007	500 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	500 mg/kg	17, 156 & 161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
FAST GREEN FCF	143	2009	100 mg/kg	
HYDROXYBENZOATES, PARA-INDIGOTINE (INDIGO CARMINE)	214, 218	2012	1000 mg/kg	27
IRON OXIDES	172(i)-(iii)	2005	200 mg/kg	
MICROCRYSTALLINE WAX	905c(i)	2001	GMP	3
MINERAL OIL, HIGH VISCOSITY	905d	2004	2000 mg/kg	3
NEOTAME	961	2007	330 mg/kg	158 & 161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
POLYSORBATES	432-436	2007	1000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	300 mg/kg	161
PROPYL GALLATE	310	2001	200 mg/kg	15 & 130
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	5000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	1000 mg/kg	
SACCHARINS	954(i)-(iv)	2007	500 mg/kg	161 & 163
SHELLAC, BLEACHED	904	2001	GMP	3
SORBATES	200-203	2012	1500 mg/kg	42
STEVIOL GLYCOSIDES	960	2012	700 mg/kg	26 & 199
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	1800 mg/kg	161 & 164
SUCROGLYCERIDES	474	2009	5000 mg/kg	
SUNSET YELLOW FCF	110	2008	300 mg/kg	161
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15 & 130

**Food Category No. 05.2.1 Hard candy**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	500 mg/kg	156, 161 & 188
ASPARTAME	951	2008	3000 mg/kg	161 & 148
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	700 mg/kg	

Table Two

<b>Food Category No. 05.2.2</b>		<b>Soft candy</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	1000 mg/kg	157, 161 & 188
ASPARTAME	951	2008	3000 mg/kg	161 & 148
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	100 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2012	1700 mg/kg	181
<b>Food Category No. 05.2.3</b>		<b>Nougats and marzipans</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	1000 mg/kg	161 & 188
ASPARTAME	951	2008	3000 mg/kg	161 & 191
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	100 mg/kg	
<b>Food Category No. 05.3</b>		<b>Chewing gum</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	5000 mg/kg	161 & 188
ALITAME	956	2007	300 mg/kg	161
ALLURA RED AC	129	2009	300 mg/kg	
ALUMINIUM SILICATE	559	2013	100 mg/kg	6 & 174
ASPARTAME	951	2007	10000 mg/kg	161 & 191
BEESWAX	901	2003	GMP	
BENZOATES	210-213	2005	1500 mg/kg	13
BRILLIANT BLUE FCF	133	2005	300 mg/kg	
BUTYLATED HYDROXYANISOLE	320	2006	400 mg/kg	130
BUTYLATED HYDROXYTOLUENE	321	2006	400 mg/kg	130
CALCIUM ALUMINIUM SILICATE	556	2013	100 mg/kg	6 & 174
CANDELILLA WAX	902	2003	GMP	
CARAMEL III - AMMONIA CARAMEL	150c	1999	20000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	1999	20000 mg/kg	
CARMINES	120	2008	500 mg/kg	178
CARNAUBA WAX	903	2003	1200 mg/kg	3
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	500 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	
CASTOR OIL	1503	2007	2100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	700 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	3000 mg/kg	17 & 161
CYCLODEXTRIN, BETA-	459	2001	20000 mg/kg	



Table Two

<b>Food Category No. 05.3</b>		<b>Chewing gum</b>		
Additive	INS	Year Adopted	Max Level	Notes
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	50000 mg/kg	
ERYTHROSINE	127	2011	50 mg/kg	
FAST GREEN FCF	143	1999	300 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	500 mg/kg	181
GUAIAIC RESIN	314	1999	1500 mg/kg	
HYDROXYBENZOATES, PARA-	214, 218	2010	1500 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	
IRON OXIDES	172(i)-(iii)	2009	10000 mg/kg	161
LAURIC ARGINATE ETHYL ESTER	243	2011	225 mg/kg	
MICROCRYSTALLINE WAX	905c(i)	2001	20000 mg/kg	3
MINERAL OIL, HIGH VISCOSITY	905d	2004	20000 mg/kg	
NEOTAME	961	2007	1000 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(ii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	44000 mg/kg	33
POLYDIMETHYLSILOXANE	900a	1999	100 mg/kg	
POLYETHYLENE GLYCOL	1521	2001	20000 mg/kg	
POLYSORBATES	432-436	2007	5000 mg/kg	
POLYVINYLPIRROLIDONE	1201	1999	10000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	300 mg/kg	
PROPYL GALLATE	310	2001	1000 mg/kg	130
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	20000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	1000 mg/kg	
SACCHARINS	954(i)-(iv)	2007	2500 mg/kg	161
SHELLAC, BLEACHED	904	2003	GMP	3
SODIUM ALUMINOSILICATE	554	2013	100 mg/kg	6 & 174
SORBATES	200-203	2009	1500 mg/kg	42
STEARYL CITRATE	484	1999	15000 mg/kg	
STEVIOLE GLYCOSIDES	960	2011	3500 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	5000 mg/kg	161
SUCROGLYCERIDES	474	2009	10000 mg/kg	
SUNSET YELLOW FCF	110	2008	300 mg/kg	
TERTIARY BUTYLHYDROQUINONE	319	2006	400 mg/kg	130
<b>Food Category No. 05.4</b>		<b>Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces</b>		
Additive	INS	Year Adopted	Max Level	Notes

Table Two

<b>Food Category No. 05.4</b>		<b>Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	500 mg/kg	161 & 188
ALITAME	956	2007	300 mg/kg	161
ALLURA RED AC	129	2009	300 mg/kg	
ASPARTAME	951	2007	1000 mg/kg	161 & 191
BEESWAX	901	2003	GMP	
BENZOATES	210-213	2003	1500 mg/kg	13
BRILLIANT BLUE FCF	133	2005	500 mg/kg	
BUTYLATED HYDROXYANISOLE	320	2007	200 mg/kg	15 & 130
BUTYLATED HYDROXYTOLUENE	321	2007	200 mg/kg	15 & 130
CANDELILLA WAX	902	2003	GMP	
CARAMEL III - AMMONIA CARAMEL	150c	2012	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2012	50000 mg/kg	
CARMINES	120	2005	500 mg/kg	
CARNAUBA WAX	903	2001	4000 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	20000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	100 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	500 mg/kg	17 & 161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
ERYTHROSINE	127	2011	100 mg/kg	
FAST GREEN FCF	143	2009	100 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	500 mg/kg	181
HYDROXYBENZOATES, PARA-	214, 218	2010	300 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	
IRON OXIDES	172(i)-(iii)	2005	100 mg/kg	
MINERAL OIL, HIGH VISCOSITY	905d	2004	2000 mg/kg	3
NEOTAME	961	2007	100 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1500 mg/kg	33
POLYSORBATES	432-436	2007	3000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	
PROPYL GALLATE	310	2001	200 mg/kg	15 & 130
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	40000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	1000 mg/kg	

Table Two

<b>Food Category No. 05.4</b>		<b>Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces</b>		
Additive	INS	Year Adopted	Max Level	Notes
SACCHARINS	954(i)-(iv)	2007	500 mg/kg	161
SHELLAC, BLEACHED	904	2003	GMP	
SORBATES	200-203	2012	1000 mg/kg	42
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	1000 mg/kg	161
SUNSET YELLOW FCF	110	2008	300 mg/kg	
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15 & 130

  

<b>Food Category No. 06.1</b>		<b>Whole, broken, or flaked grain, including rice</b>		
Additive	INS	Year Adopted	Max Level	Notes
MINERAL OIL, HIGH VISCOSITY	905d	2004	800 mg/kg	98
PROPYL GALLATE	310	2001	100 mg/kg	15

  

<b>Food Category No. 06.2</b>		<b>Flours and starches (including soybean powder)</b>		
Additive	INS	Year Adopted	Max Level	Notes
AMYLASE FROM ASPERGILLUS ORYZAE VAR., ALPHA-	1100	1999	GMP	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2008	3000 mg/kg	186

  

<b>Food Category No. 06.2.1</b>		<b>Flours</b>		
Additive	INS	Year Adopted	Max Level	Notes
AZODICARBONAMIDE	927a	1999	45 mg/kg	
BENZOYL PEROXIDE	928	2007	75 mg/kg	
CHLORINE	925	2001	2500 mg/kg	87
CHLORINE DIOXIDE	926	2010	30 mg/kg	87
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2500 mg/kg	33 & 225
PROTEASE	1101(i)	1999	GMP	
SODIUM ALUMINIUM PHOSPHATES	541(i),(ii)	2013	1600 mg/kg	6 & 252
SULFITES	220-225, 227, 228, 539	2006	200 mg/kg	44

  

<b>Food Category No. 06.2.2</b>		<b>Starches</b>		
Additive	INS	Year Adopted	Max Level	Notes
SULFITES	220-225, 227, 228, 539	2006	50 mg/kg	44

  

<b>Food Category No. 06.3</b>		<b>Breakfast cereals, including rolled oats</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	1200 mg/kg	161 & 188

Table Two

<b>Food Category No. 06.3</b>		<b>Breakfast cereals, including rolled oats</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	300 mg/kg	
ASCORBYL ESTERS	304, 305	2001	200 mg/kg	10
ASPARTAME	951	2007	1000 mg/kg	161 & 191
BRILLIANT BLUE FCF	133	2005	200 mg/kg	
BUTYLATED HYDROXYANISOLE	320	2005	200 mg/kg	15 & 196
BUTYLATED HYDROXYTOLUENE	321	2006	100 mg/kg	15 & 196
CARAMEL III - AMMONIA CARAMEL	150c	2009	50000 mg/kg	189
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	1999	2500 mg/kg	
CARMINES	120	2005	200 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	400 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	200 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2010	200 mg/kg	
IRON OXIDES	172(i)-(iii)	2005	75 mg/kg	
NEOTAME	961	2007	160 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	2200 mg/kg	33
PROPYL GALLATE	310	2001	200 mg/kg	15 & 196
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2008	100 mg/kg	161
STEVIOL GLYCOSIDES	960	2011	350 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	1000 mg/kg	161
SUNSET YELLOW FCF	110	2008	300 mg/kg	161

<b>Food Category No. 06.4.1</b>		<b>Fresh pastas and noodles and like products</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALUMINIUM AMMONIUM SULFATE	523	2013	300 mg/kg	6 & 247
ASCORBIC ACID, L-	300	2013	200 mg/kg	
CALCIUM CARBONATE	170(i)	2013	GMP	
CITRIC ACID	330	2013	GMP	
FUMARIC ACID	297	2013	700 mg/kg	
GLUCONO DELTA-LACTONE	575	2013	GMP	
LACTIC ACID, L-, D- and DL-	270	2013	GMP	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2500 mg/kg	33 & 211
POTASSIUM CARBONATE	501(i)	2013	11000 mg/kg	

Table Two

<b>Food Category No. 06.4.1</b>		<b>Fresh pastas and noodles and like products</b>			
Additive	INS	Year Adopted	Max Level	Notes	
SODIUM ACETATE	262(i)	2013	6000 mg/kg		
SODIUM CARBONATE	500(i)	2013	10000 mg/kg		
SODIUM DL-MALATE	350(ii)	2013	GMP		
SODIUM HYDROGEN CARBONATE	500(ii)	2013	GMP		
SODIUM LACTATE	325	2013	GMP		
<b>Food Category No. 06.4.2</b>		<b>Dried pastas and noodles and like products</b>			
Additive	INS	Year Adopted	Max Level	Notes	
ASCORBIC ACID, L-	300	2013	GMP	256	
CALCIUM CARBONATE	170(i)	2013	GMP	256	
CANTHAXANTHIN	161g	2011	15 mg/kg	211	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	211	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2011	1000 mg/kg	211	
CITRIC ACID	330	2013	GMP	256	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2008	5000 mg/kg		
FUMARIC ACID	297	2013	GMP	256	
LACTIC ACID, L-, D- and DL-	270	2013	GMP	256	
MALIC ACID, DL-	296	2013	GMP	256	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	900 mg/kg	33 & 211	
POLYSORBATES	432-436	2008	5000 mg/kg		
POTASSIUM CARBONATE	501(i)	2013	GMP	256	
SODIUM ACETATE	262(i)	2013	GMP	256	
SODIUM CARBONATE	500(i)	2013	GMP	256	
SODIUM HYDROGEN CARBONATE	500(ii)	2013	GMP	256	
SODIUM LACTATE	325	2013	GMP	256	
<b>Food Category No. 06.4.3</b>		<b>Pre-cooked pastas and noodles and like products</b>			
Additive	INS	Year Adopted	Max Level	Notes	
ASCORBYL ESTERS	304, 305	2012	500 mg/kg	10 & 211	
BENZOATES	210-213	2004	1000 mg/kg	13	
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15 & 130	
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 130	
CANTHAXANTHIN	161g	2011	15 mg/kg	153	
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	153 & 173	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	153	

Table Two

<b>Food Category No. 06.4.3</b>		<b>Pre-cooked pastas and noodles and like products</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARMINES	120	2008	100 mg/kg	153 & 178
CAROTENES, BETA-, VEGETABLE	160a(ii)	2010	1000 mg/kg	153
CAROTENOIDS	160a(i),a(iii),e,f	2009	1200 mg/kg	153
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	100 mg/kg	153
CYCLODEXTRIN, BETA-	459	2012	1000 mg/kg	153
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
FAST GREEN FCF	143	2010	290 mg/kg	194
PHOSPHATES	338; 339(i)-(iii); 340(i)-(ii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2500 mg/kg	33 & 211
POLYDIMETHYLSILOXANE	900a	2007	50 mg/kg	153
POLYSORBATES	432-436	2007	5000 mg/kg	153
PROPYL GALLATE	310	2012	200 mg/kg	15, 130 & 211
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2007	5000 mg/kg	2 & 153
RIBOFLAVINS	101(i),(ii)	2008	300 mg/kg	153
SORBATES	200-203	2012	2000 mg/kg	42 & 211
SULFITES	220-225, 227, 228, 539	2006	20 mg/kg	44
SUNSET YELLOW FCF	110	2008	300 mg/kg	153
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15 & 130

  

<b>Food Category No. 06.5</b>		<b>Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	161 & 188
ALLURA RED AC	129	2009	300 mg/kg	
ASCORBYL ESTERS	304, 305	2001	500 mg/kg	2 & 10
ASPARTAME	951	2007	1000 mg/kg	161 & 191
BENZOATES	210-213	2003	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2005	150 mg/kg	
CANTHAXANTHIN	161g	2011	15 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2009	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	2500 mg/kg	
CARMINES	120	2005	150 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	150 mg/kg	

Table Two

<b>Food Category No. 06.5</b>		<b>Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)</b>		
Additive	INS	Year Adopted	Max Level	Notes
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	75 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	250 mg/kg	17 & 161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	315 mg/kg	21
FAST GREEN FCF	143	2009	100 mg/kg	161
GRAPE SKIN EXTRACT	163(ii)	2011	200 mg/kg	181
INDIGOTINE (INDIGO CARMINE)	132	2009	150 mg/kg	
IRON OXIDES	172(i)-(iii)	2005	75 mg/kg	
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
NEOTAME	961	2007	33 mg/kg	161
NISIN	234	2010	3 mg/kg	28
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	7000 mg/kg	33
POLYSORBATES	432-436	2005	3000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	
PROPYL GALLATE	310	2001	90 mg/kg	2 & 15
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	40000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	100 mg/kg	161
SORBATES	200-203	2012	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	165 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161
SUCROGLYCERIDES	474	2009	5000 mg/kg	
SUNSET YELLOW FCF	110	2008	50 mg/kg	

<b>Food Category No. 06.6</b>		<b>Batters (e.g., for breading or batters for fish or poultry)</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2009	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	2500 mg/kg	
CARMINES	120	2005	500 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	500 mg/kg	

Table Two

<b>Food Category No. 06.6</b>		<b>Batters (e.g., for breading or batters for fish or poultry)</b>		
Additive	INS	Year Adopted	Max Level	Notes
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	5600 mg/kg	33
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
POLYSORBATES	432-436	2007	5000 mg/kg	2
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SODIUM ALUMINIUM PHOSPHATES	541(i),(ii)	2013	1000 mg/kg	6
SORBATES	200-203	2009	2000 mg/kg	42
<b>Food Category No. 06.7</b>		<b>Pre-cooked or processed rice products, including rice cakes (Oriental type only)</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2009	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	2500 mg/kg	
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	200 mg/kg	72
<b>Food Category No. 06.8.1</b>		<b>Soybean-based beverages</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2010	1500 mg/kg	
CARMINES	120	2010	100 mg/kg	178
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1300 mg/kg	33
RIBOFLAVINS	101(i),(ii)	2010	50 mg/kg	
STEVIOL GLYCOSIDES	960	2011	200 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2012	400 mg/kg	
<b>Food Category No. 06.8.3</b>		<b>Soybean curd (tofu)</b>		
Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	100 mg/kg	33



Table Two

<b>Food Category No. 06.8.8</b>		<b>Other soybean protein products</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2010	20000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2010	20000 mg/kg	

  

<b>Food Category No. 07.0</b>		<b>Bakery wares</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2003	1000 mg/kg	10 & 15
BENZOATES	210-213	2004	1000 mg/kg	13
BUTYLATED HYDROXYANISOLE	320	2007	200 mg/kg	15 & 180
BUTYLATED HYDROXYTOLUENE	321	2007	200 mg/kg	15 & 180
CARNAUBA WAX	903	2001	GMP	3
FAST GREEN FCF	143	2009	100 mg/kg	161
MINERAL OIL, HIGH VISCOSITY	905d	2004	3000 mg/kg	125
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	15000 mg/kg	11 & 72
SORBATES	200-203	2012	1000 mg/kg	42

  

<b>Food Category No. 07.1</b>		<b>Bread and ordinary bakery wares</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	1000 mg/kg	161 & 188
ASPARTAME	951	2008	4000 mg/kg	161 & 191
BRILLIANT BLUE FCF	133	2009	100 mg/kg	161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2006	6000 mg/kg	
NEOTAME	961	2008	70 mg/kg	161
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	650 mg/kg	161

  

<b>Food Category No. 07.1.1</b>		<b>Breads and rolls</b>		
Additive	INS	Year Adopted	Max Level	Notes
MINERAL OIL, MEDIUM VISCOSITY	905e	2004	3000 mg/kg	36 & 126
POLYSORBATES	432-436	2008	3000 mg/kg	
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15 & 195

  

<b>Food Category No. 07.1.1.2</b>		<b>Soda breads</b>		
Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(ii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	9300 mg/kg	33 & 229

  

<b>Food Category No. 07.1.2</b>		<b>Crackers, excluding sweet crackers</b>		
Additive	INS	Year Adopted	Max Level	Notes

Table Two

<b>Food Category No. 07.1.2</b>		<b>Crackers, excluding sweet crackers</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	300 mg/kg	161
ALUMINIUM AMMONIUM SULFATE	523	2013	100 mg/kg	6 & 246
CARAMEL III - AMMONIA CARAMEL	150c	2009	50000 mg/kg	161
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2010	50000 mg/kg	161
CARMINES	120	2008	200 mg/kg	178
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	1000 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2011	200 mg/kg	181
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	9300 mg/kg	33 & 229
POLYSORBATES	432-436	2008	5000 mg/kg	11
SODIUM ALUMINIUM PHOSPHATES	541(i),(ii)	2013	100 mg/kg	6 & 246
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15 & 195
<b>Food Category No. 07.1.3</b>		<b>Other ordinary bakery products (e.g., bagels, pita, English muffins)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	300 mg/kg	161
ALUMINIUM AMMONIUM SULFATE	523	2013	100 mg/kg	6, 244 & 246
CARAMEL III - AMMONIA CARAMEL	150c	2009	50000 mg/kg	161
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2010	50000 mg/kg	161
CAROTENOIDS	160a(i),a(iii),e,f	2011	100 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	9300 mg/kg	33 & 229
POLYSORBATES	432-436	2008	3000 mg/kg	11
PROPYL GALLATE	310	2001	100 mg/kg	15 & 130
SODIUM ALUMINIUM PHOSPHATES	541(i),(ii)	2013	100 mg/kg	6, 244 & 246
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15 & 130
<b>Food Category No. 07.1.4</b>		<b>Bread-type products, including bread stuffing and bread crumbs</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2009	50000 mg/kg	161
CARMINES	120	2008	500 mg/kg	178
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	

**Food Category No. 07.1.4 Bread-type products, including bread stuffing and bread crumbs**

Additive	INS	Year Adopted	Max Level	Notes
CAROTENOIDS	160a(i),a(iii),e,f	2011	200 mg/kg	116
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	6.4 mg/kg	62 & 161
GRAPE SKIN EXTRACT	163(ii)	2011	200 mg/kg	181
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	9300 mg/kg	33 & 229
POLYSORBATES	432-436	2008	3000 mg/kg	11
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15 & 195

**Food Category No. 07.1.5 Steamed breads and buns**

Additive	INS	Year Adopted	Max Level	Notes
ALUMINIUM AMMONIUM SULFATE	523	2013	40 mg/kg	6, 246 & 248
CARAMEL III - AMMONIA CARAMEL	150c	2009	50000 mg/kg	161
CAROTENOIDS	160a(i),a(iii),e,f	2011	100 mg/kg	216
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	9300 mg/kg	33 & 229
POLYSORBATES	432-436	2008	3000 mg/kg	11
SODIUM ALUMINIUM PHOSPHATES	541(i),(ii)	2013	40 mg/kg	6, 246 & 248

**Food Category No. 07.1.6 Mixes for bread and ordinary bakery wares**

Additive	INS	Year Adopted	Max Level	Notes
ALUMINIUM AMMONIUM SULFATE	523	2013	40 mg/kg	6, 246 & 249
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	9300 mg/kg	33 & 229
POLYSORBATES	432-436	2008	3000 mg/kg	11
SODIUM ALUMINIUM PHOSPHATES	541(i),(ii)	2013	40 mg/kg	6, 246 & 249

**Food Category No. 07.2 Fine bakery wares (sweet, salty, savoury) and mixes**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	1000 mg/kg	165 & 188
ALLURA RED AC	129	2009	300 mg/kg	161
ASPARTAME	951	2007	1700 mg/kg	165 & 191

Table Two

<b>Food Category No. 07.2</b>		<b>Fine bakery wares (sweet, salty, savoury) and mixes</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASPARTAME-ACESULFAME SALT	962	2009	1000 mg/kg	77 & 113
BEESWAX	901	2001	GMP	3
BRILLIANT BLUE FCF	133	2009	200 mg/kg	161
CANDELILLA WAX	902	2001	GMP	3
CARAMEL III - AMMONIA CARAMEL	150c	2009	50000 mg/kg	161
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	1200 mg/kg	
CARMINES	120	2005	200 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	75 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	1600 mg/kg	17 & 165
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2006	20000 mg/kg	
HYDROXYBENZOATES, PARA-	214, 218	2010	300 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	200 mg/kg	161
IRON OXIDES	172(i)-(iii)	2005	100 mg/kg	
NEOTAME	961	2008	80 mg/kg	161 & 165
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	9300 mg/kg	33 & 229
POLYSORBATES	432-436	2008	3000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	170 mg/kg	165
SHELLAC, BLEACHED	904	2001	GMP	3
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	700 mg/kg	161 & 165
SUCROGLYCERIDES	474	2009	10000 mg/kg	
SULFITES	220-225, 227, 228, 539	2006	50 mg/kg	44
SUNSET YELLOW FCF	110	2008	50 mg/kg	

  

<b>Food Category No. 07.2.3</b>		<b>Mixes for fine bakery wares (e.g., cakes, pancakes)</b>		
Additive	INS	Year Adopted	Max Level	Notes
PROPYL GALLATE	310	2001	200 mg/kg	15 & 196

<b>Food Category No. 08.0</b>		<b>Meat and meat products, including poultry and game</b>		
Additive	INS	Year Adopted	Max Level	Notes
BRILLIANT BLUE FCF	133	2009	100 mg/kg	4 & 16
CARAMEL III - AMMONIA CARAMEL	150c	2009	GMP	3, 4 & 16
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	GMP	3, 4 & 16

  

<b>Food Category No. 08.1</b>		<b>Fresh meat, poultry, and game</b>		
Additive	INS	Year Adopted	Max Level	Notes
FAST GREEN FCF	143	2009	100 mg/kg	3, 4 & 16
SUNSET YELLOW FCF	110	2008	300 mg/kg	4 & 16

  

<b>Food Category No. 08.1.1</b>		<b>Fresh meat, poultry, and game, whole pieces or cuts</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARMINES	120	2008	500 mg/kg	4 & 16

  

<b>Food Category No. 08.1.2</b>		<b>Fresh meat, poultry, and game, comminuted</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARMINES	120	2008	100 mg/kg	4, 16 & 117
CAROTENES, BETA-, VEGETABLE	160a(ii)	2011	20 mg/kg	4 & 16
CAROTENOIDS	160a(i),a(iii),e,f	2011	100 mg/kg	4 & 16
GRAPE SKIN EXTRACT	163(ii)	2010	1000 mg/kg	4, 16 & 94
ISOPROPYL CITRATES	384	2001	200 mg/kg	

  

<b>Food Category No. 08.2</b>		<b>Processed meat, poultry, and game products in whole pieces or cuts</b>		
Additive	INS	Year Adopted	Max Level	Notes
BUTYLATED HYDROXYANISOLE	320	2005	200 mg/kg	15 & 130
BUTYLATED HYDROXYTOLUENE	321	2007	100 mg/kg	15, 130 & 167
CARMINES	120	2005	500 mg/kg	16
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	5000 mg/kg	16
ERYTHROSINE	127	2011	30 mg/kg	4 & 16
FAST GREEN FCF	143	2009	100 mg/kg	3 & 4
GRAPE SKIN EXTRACT	163(ii)	2011	5000 mg/kg	16
POLYSORBATES	432-436	2007	5000 mg/kg	
PROPYL GALLATE	310	2001	200 mg/kg	15 & 130
RIBOFLAVINS	101(i),(ii)	2008	1000 mg/kg	16
SUNSET YELLOW FCF	110	2008	300 mg/kg	16
TERTIARY BUTYLHYDROQUINONE	319	2007	100 mg/kg	15, 130 & 167

**Food Category No. 08.2.1 Non-heat treated processed meat, poultry, and game products in whole pieces or cuts**

Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33

**Food Category No. 08.2.1.2 Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts**

Additive	INS	Year Adopted	Max Level	Notes
BENZOATES	210-213	2005	1000 mg/kg	3 & 13
ISOPROPYL CITRATES	384	2001	200 mg/kg	
NATAMYCIN (PIMARICIN)	235	2001	6 mg/kg	

**Food Category No. 08.2.2 Heat-treated processed meat, poultry, and game products in whole pieces or cuts**

Additive	INS	Year Adopted	Max Level	Notes
SACCHARINS	954(i)-(iv)	2008	500 mg/kg	161
SUCROGLYCERIDES	474	2009	5000 mg/kg	15

**Food Category No. 08.2.3 Frozen processed meat, poultry, and game products in whole pieces or cuts**

Additive	INS	Year Adopted	Max Level	Notes
MINERAL OIL, HIGH VISCOSITY	905d	2004	950 mg/kg	3
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	2200 mg/kg	33

**Food Category No. 08.3 Processed comminuted meat, poultry, and game products**

Additive	INS	Year Adopted	Max Level	Notes
BUTYLATED HYDROXYANISOLE	320	2005	200 mg/kg	15 & 130
BUTYLATED HYDROXYTOLUENE	321	2007	100 mg/kg	15, 130 & 162
ERYTHROSINE	127	2012	30 mg/kg	4
GRAPE SKIN EXTRACT	163(ii)	2011	5000 mg/kg	16
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	2200 mg/kg	33
POLYSORBATES	432-436	2007	5000 mg/kg	
PROPYL GALLATE	310	2001	200 mg/kg	15 & 130

Table Two

<b>Food Category No. 08.3</b>		<b>Processed comminuted meat, poultry, and game products</b>		
Additive	INS	Year Adopted	Max Level	Notes
RIBOFLAVINS	101(i),(ii)	2008	1000 mg/kg	16
TERTIARY BUTYLHYDROQUINONE	319	2007	100 mg/kg	15, 130 & 162

  

<b>Food Category No. 08.3.1</b>		<b>Non-heat treated processed comminuted meat, poultry, and game products</b>		
Additive	INS	Year Adopted	Max Level	Notes
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	20 mg/kg	118

  

<b>Food Category No. 08.3.1.1</b>		<b>Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products</b>		
Additive	INS	Year Adopted	Max Level	Notes
CANTHAXANTHIN	161g	2011	100 mg/kg	4, 16 & 118
CARMINES	120	2005	200 mg/kg	118
CAROTENOIDS	160a(i),a(iii),e,f	2010	100 mg/kg	16
SUNSET YELLOW FCF	110	2008	300 mg/kg	16

  

<b>Food Category No. 08.3.1.2</b>		<b>Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products</b>		
Additive	INS	Year Adopted	Max Level	Notes
BENZOATES	210-213	2005	1000 mg/kg	3 & 13
CARMINES	120	2005	100 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2010	20 mg/kg	16
ISOPROPYL CITRATES	384	2001	200 mg/kg	
NATAMYCIN (PIMARICIN)	235	2001	20 mg/kg	3 & 81
SUNSET YELLOW FCF	110	2008	135 mg/kg	

  

<b>Food Category No. 08.3.1.3</b>		<b>Fermented non-heat treated processed comminuted meat, poultry, and game products</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARMINES	120	2005	100 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2010	20 mg/kg	16
SUNSET YELLOW FCF	110	2008	300 mg/kg	16

  

<b>Food Category No. 08.3.2</b>		<b>Heat-treated processed comminuted meat, poultry, and game products</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	25 mg/kg	161
CARMINES	120	2005	100 mg/kg	

**Food Category No. 08.3.2 Heat-treated processed comminuted meat, poultry, and game products**

Additive	INS	Year Adopted	Max Level	Notes
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	20 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2010	20 mg/kg	16
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	35 mg/kg	21
SACCHARINS	954(i)-(iv)	2008	500 mg/kg	161
STEVIOL GLYCOSIDES	960	2011	100 mg/kg	26 & 202
SUCROGLYCERIDES	474	2009	5000 mg/kg	15
SUNSET YELLOW FCF	110	2008	300 mg/kg	16

**Food Category No. 08.3.3 Frozen processed comminuted meat, poultry, and game products**

Additive	INS	Year Adopted	Max Level	Notes
CARMINES	120	2005	500 mg/kg	16
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	5000 mg/kg	16
MINERAL OIL, HIGH VISCOSITY	905d	2004	950 mg/kg	3
SUNSET YELLOW FCF	110	2008	300 mg/kg	16

**Food Category No. 08.4 Edible casings (e.g., sausage casings)**

Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	300 mg/kg	16
ASCORBYL ESTERS	304, 305	2001	5000 mg/kg	10
CARMINES	120	2005	500 mg/kg	16
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	5000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2011	100 mg/kg	
FAST GREEN FCF	143	2009	100 mg/kg	3 & 4
GRAPE SKIN EXTRACT	163(ii)	2009	5000 mg/kg	
HYDROXYBENZOATES, PARA-	214, 218	2010	36 mg/kg	27
IRON OXIDES	172(i)-(iii)	2005	1000 mg/kg	72
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2010	1100 mg/kg	33
POLYSORBATES	432-436	2007	1500 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	500 mg/kg	16
RIBOFLAVINS	101(i),(ii)	2008	1000 mg/kg	16
SUNSET YELLOW FCF	110	2008	300 mg/kg	16

**Food Category No. 09.1 Fresh fish and fish products, including mollusks, crustaceans, and echinoderms**

Additive	INS	Year Adopted	Max Level	Notes
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Table Two

<b>Food Category No. 09.1</b>		<b>Fresh fish and fish products, including mollusks, crustaceans, and echinoderms</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2010	30000 mg/kg	4 & 16
<b>Food Category No. 09.1.1</b>		<b>Fresh fish</b>		
Additive	INS	Year Adopted	Max Level	Notes
BRILLIANT BLUE FCF	133	2008	300 mg/kg	4, 16 & 50
CARMINES	120	2008	300 mg/kg	4, 16 & 50
CAROTENES, BETA-, VEGETABLE	160a(ii)	2010	100 mg/kg	4, 16 & 50
CAROTENOIDS	160a(i),a(iii),e,f	2011	300 mg/kg	4
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	4, 16 & 50
SUNSET YELLOW FCF	110	2008	300 mg/kg	4, 16 & 50
<b>Food Category No. 09.1.2</b>		<b>Fresh mollusks, crustaceans, and echinoderms</b>		
Additive	INS	Year Adopted	Max Level	Notes
BRILLIANT BLUE FCF	133	2005	500 mg/kg	4 & 16
CARMINES	120	2008	500 mg/kg	4 & 16
CAROTENOIDS	160a(i),a(iii),e,f	2011	100 mg/kg	4 & 16
SULFITES	220-225, 227, 228, 539	2006	100 mg/kg	44
SUNSET YELLOW FCF	110	2008	300 mg/kg	4 & 16
<b>Food Category No. 09.2</b>		<b>Processed fish and fish products, including mollusks, crustaceans, and echinoderms</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	200 mg/kg	144 & 188
ASPARTAME	951	2007	300 mg/kg	144 & 191
CARAMEL III - AMMONIA CARAMEL	150c	2009	30000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	30000 mg/kg	95
CAROTENOIDS	160a(i),a(iii),e,f	2011	100 mg/kg	95
<b>Food Category No. 09.2.1</b>		<b>Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	300 mg/kg	95
ASCORBYL ESTERS	304, 305	2001	1000 mg/kg	10
BRILLIANT BLUE FCF	133	2005	500 mg/kg	95
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15 & 180
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 180
CALCIUM CARBONATE	170(i)	2013	GMP	95
CANTHAXANTHIN	161g	2011	35 mg/kg	95

Table Two

**Food Category No. 09.2.1 Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms**

Additive	INS	Year Adopted	Max Level	Notes
CARMINES	120	2008	100 mg/kg	95 & 178
CITRIC ACID	330	2013	GMP	61 & 257
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	75 mg/kg	21
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	95
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	61
RIBOFLAVINS	101(i),(ii)	2008	1000 mg/kg	95
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	61
SULFITES	220-225, 227, 228, 539	2006	100 mg/kg	44 & 139
SUNSET YELLOW FCF	110	2008	300 mg/kg	95
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	61
TRISODIUM CITRATE	331(iii)	2013	GMP	61

**Food Category No. 09.2.2 Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms**

Additive	INS	Year Adopted	Max Level	Notes
AMMONIUM CARBONATE	503(i)	2013	GMP	41
ASCORBIC ACID, L-	300	2013	GMP	
ASCORBYL ESTERS	304, 305	2001	1000 mg/kg	10
BRILLIANT BLUE FCF	133	2005	500 mg/kg	16
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15 & 180
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 180
CALCIUM CARBONATE	170(i)	2013	GMP	16
CARMINES	120	2008	500 mg/kg	16, 95 & 178
CITRIC ACID	330	2013	GMP	61
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	75 mg/kg	21
FUMARIC ACID	297	2013	GMP	41
GRAPE SKIN EXTRACT	163(ii)	2011	500 mg/kg	16
MAGNESIUM CARBONATE	504(i)	2013	GMP	16
MAGNESIUM HYDROXIDE	528	2013	GMP	16
MAGNESIUM HYDROXIDE CARBONATE	504(ii)	2013	GMP	16
MALIC ACID, DL-	296	2013	GMP	41

Table Two

**Food Category No. 09.2.2 Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms**

Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
PONCEAU 4R (COCHINEAL RED A)	124	2008	500 mg/kg	16 & 95
POTASSIUM CARBONATE	501(i)	2013	GMP	41
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	61
POTASSIUM HYDROGEN CARBONATE	501(ii)	2013	GMP	41
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	16
SODIUM CARBONATE	500(i)	2013	GMP	41
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	61
SODIUM FUMARATES	365	2013	GMP	41
SODIUM HYDROGEN CARBONATE	500(ii)	2013	GMP	41
SODIUM SESQUICARBONATE	500(iii)	2013	GMP	41
SUNSET YELLOW FCF	110	2008	300 mg/kg	16
THIODIPROPIONATES	388, 389	1999	200 mg/kg	15 & 46
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	61
TRISODIUM CITRATE	331(iii)	2013	GMP	61

**Food Category No. 09.2.3 Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms**

Additive	INS	Year Adopted	Max Level	Notes
BRILLIANT BLUE FCF	133	2005	500 mg/kg	16
CALCIUM CARBONATE	170(i)	2013	GMP	16
CARMINES	120	2005	500 mg/kg	16
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	16
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	40 mg/kg	95
FUMARIC ACID	297	2013	GMP	16
GRAPE SKIN EXTRACT	163(ii)	2009	GMP	16 & 95
MAGNESIUM CARBONATE	504(i)	2013	GMP	16
MAGNESIUM HYDROXIDE	528	2013	GMP	16
MAGNESIUM HYDROXIDE CARBONATE	504(ii)	2013	GMP	16
MALIC ACID, DL-	296	2013	GMP	16

Table Two

**Food Category No. 09.2.3 Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms**

Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
PONCEAU 4R (COCHINEAL RED A)	124	2008	500 mg/kg	16 & 95
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	16
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	16
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	16
SODIUM FUMARATES	365	2013	GMP	16
SUNSET YELLOW FCF	110	2008	300 mg/kg	16 & 95
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	16
TRISODIUM CITRATE	331(iii)	2013	GMP	16

**Food Category No. 09.2.4 Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms**

Additive	INS	Year Adopted	Max Level	Notes
ASCORBIC ACID, L-	300	2013	GMP	
CALCIUM CARBONATE	170(i)	2013	GMP	
FUMARIC ACID	297	2013	GMP	
MAGNESIUM CARBONATE	504(i)	2013	GMP	
MAGNESIUM HYDROXIDE	528	2013	GMP	
MAGNESIUM HYDROXIDE CARBONATE	504(ii)	2013	GMP	
MALIC ACID, DL-	296	2013	GMP	
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	
SODIUM FUMARATES	365	2013	GMP	
TRICALCIUM CITRATE	333(iii)	2013	GMP	
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	
TRISODIUM CITRATE	331(iii)	2013	GMP	

**Food Category No. 09.2.4.1 Cooked fish and fish products**

Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	300 mg/kg	95
BRILLIANT BLUE FCF	133	2009	100 mg/kg	95
CARMINES	120	2005	500 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2009	1000 mg/kg	95

Table Two

<b>Food Category No. 09.2.4.1</b>		<b>Cooked fish and fish products</b>		
Additive	INS	Year Adopted	Max Level	Notes
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	30 mg/kg	62 & 95
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2005	50 mg/kg	21
FAST GREEN FCF	143	1999	100 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	500 mg/kg	95
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	95
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
PONCEAU 4R (COCHINEAL RED A)	124	2008	500 mg/kg	95
RIBOFLAVINS	101(i),(ii)	2008	300 mg/kg	95
SACCHARINS	954(i)-(iv)	2008	500 mg/kg	161
SORBATES	200-203	2009	2000 mg/kg	42
SUNSET YELLOW FCF	110	2008	300 mg/kg	95
<b>Food Category No. 09.2.4.2</b>		<b>Cooked mollusks, crustaceans, and echinoderms</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	250 mg/kg	
ALUMINIUM AMMONIUM SULFATE	523	2013	200 mg/kg	6 & 250
BENZOATES	210-213	2003	2000 mg/kg	13 & 82
BRILLIANT BLUE FCF	133	2009	100 mg/kg	
CARMINES	120	2005	250 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2011	1000 mg/kg	
INDIGOTINE (INDIGO CARMINE)	132	2009	250 mg/kg	16
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
PONCEAU 4R (COCHINEAL RED A)	124	2008	250 mg/kg	
RIBOFLAVINS	101(i),(ii)	2008	300 mg/kg	
SORBATES	200-203	2009	2000 mg/kg	42 & 82
SULFITES	220-225, 227, 228, 539	2007	150 mg/kg	44
SUNSET YELLOW FCF	110	2008	250 mg/kg	
<b>Food Category No. 09.2.4.3</b>		<b>Fried fish and fish products, including mollusks, crustaceans, and echinoderms</b>		
Additive	INS	Year Adopted	Max Level	Notes

Table Two

**Food Category No. 09.2.4.3 Fried fish and fish products, including mollusks, crustaceans, and echinoderms**

Additive	INS	Year Adopted	Max Level	Notes
BRILLIANT BLUE FCF	133	2005	500 mg/kg	16
CARMINES	120	2008	500 mg/kg	16, 95 & 178
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	16
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	40 mg/kg	95
GRAPE SKIN EXTRACT	163(ii)	2009	1000 mg/kg	16 & 95
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	16
SUNSET YELLOW FCF	110	2008	300 mg/kg	16

**Food Category No. 09.2.5 Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms**

Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	300 mg/kg	22
BENZOATES	210-213	2004	200 mg/kg	13 & 121
BRILLIANT BLUE FCF	133	2009	100 mg/kg	22
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15 & 196
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 196
CALCIUM CARBONATE	170(i)	2013	GMP	266 & 267
CANTHAXANTHIN	161g	2011	15 mg/kg	22
CARMINES	120	2005	300 mg/kg	22
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	200 mg/kg	
FAST GREEN FCF	143	1999	100 mg/kg	
FUMARIC ACID	297	2013	GMP	266 & 267
GRAPE SKIN EXTRACT	163(ii)	2009	1000 mg/kg	22
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	22 & 161
IRON OXIDES	172(i)-(iii)	2005	250 mg/kg	22
MAGNESIUM CARBONATE	504(i)	2013	GMP	266 & 267
MAGNESIUM HYDROXIDE	528	2013	GMP	266 & 267
MAGNESIUM HYDROXIDE CARBONATE	504(ii)	2013	GMP	266 & 267
MALIC ACID, DL-	296	2013	GMP	266 & 267
PONCEAU 4R (COCHINEAL RED A)	124	2008	100 mg/kg	22
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	266 & 267
PROPYL GALLATE	310	2001	100 mg/kg	15 & 196
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	22
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	266 & 267

Table Two

**Food Category No. 09.2.5**      **Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms**

Additive	INS	Year Adopted	Max Level	Notes
SODIUM FUMARATES	365	2013	GMP	266 & 267
SORBATES	200-203	2012	1000 mg/kg	42
SULFITES	220-225, 227, 228, 539	2007	30 mg/kg	44
SUNSET YELLOW FCF	110	2008	100 mg/kg	22
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	266 & 267
TRISODIUM CITRATE	331(iii)	2013	GMP	266 & 267

**Food Category No. 09.3**      **Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	200 mg/kg	144 & 188
ASPARTAME	951	2007	300 mg/kg	144 & 191
ASPARTAME-ACESULFAME SALT	962	2009	200 mg/kg	113
BENZOATES	210-213	2003	2000 mg/kg	13 & 120
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15 & 180
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 180
CARAMEL III - AMMONIA CARAMEL	150c	2010	30000 mg/kg	95
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	30000 mg/kg	95
CAROTENOIDS	160a(i),a(iii),e,f	2011	100 mg/kg	95
HYDROXYBENZOATES, PARA-	214, 218	2010	1000 mg/kg	27
NEOTAME	961	2008	10 mg/kg	161
SORBATES	200-203	2012	1000 mg/kg	42
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	120 mg/kg	144

**Food Category No. 09.3.1**      **Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly**

Additive	INS	Year Adopted	Max Level	Notes
BRILLIANT BLUE FCF	133	2005	500 mg/kg	16
CARMINES	120	2005	500 mg/kg	16
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	16
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	40 mg/kg	16
GRAPE SKIN EXTRACT	163(ii)	2009	500 mg/kg	16

Table Two

**Food Category No. 09.3.1 Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly**

Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	16
SACCHARINS	954(i)-(iv)	2007	160 mg/kg	144
STEVIOLE GLYCOSIDES	960	2011	100 mg/kg	26 & 144
SUNSET YELLOW FCF	110	2008	300 mg/kg	16

**Food Category No. 09.3.2 Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine**

Additive	INS	Year Adopted	Max Level	Notes
BRILLIANT BLUE FCF	133	2005	500 mg/kg	16
CARMINES	120	2005	500 mg/kg	16
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	16
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	40 mg/kg	16
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	250 mg/kg	21
GRAPE SKIN EXTRACT	163(ii)	2009	1500 mg/kg	16
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	16
SACCHARINS	954(i)-(iv)	2007	160 mg/kg	144
STEVIOLE GLYCOSIDES	960	2011	165 mg/kg	26
SUNSET YELLOW FCF	110	2008	300 mg/kg	16

**Food Category No. 09.3.3 Salmon substitutes, caviar, and other fish roe products**

Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	300 mg/kg	
BRILLIANT BLUE FCF	133	2005	500 mg/kg	
CANTHAXANTHIN	161g	2011	15 mg/kg	
CARMINES	120	2005	500 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	



Table Two

**Food Category No. 09.3.3 Salmon substitutes, caviar, and other fish roe products**

Additive	INS	Year Adopted	Max Level	Notes
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	200 mg/kg	
FAST GREEN FCF	143	1999	100 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	1500 mg/kg	
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	
IRON OXIDES	172(i)-(iii)	2005	100 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
PONCEAU 4R (COCHINEAL RED A)	124	2008	500 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
STEVIOL GLYCOSIDES	960	2011	100 mg/kg	26
SUNSET YELLOW FCF	110	2008	300 mg/kg	

**Food Category No. 09.3.4 Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3**

Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	300 mg/kg	
CARMINES	120	2005	100 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	16
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	75 mg/kg	95
GRAPE SKIN EXTRACT	163(ii)	2009	1500 mg/kg	16
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	161
IRON OXIDES	172(i)-(iii)	2010	50 mg/kg	95
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2010	2200 mg/kg	33 & 193
PONCEAU 4R (COCHINEAL RED A)	124	2008	100 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	160 mg/kg	144
SUNSET YELLOW FCF	110	2008	300 mg/kg	

Table Two

<b>Food Category No. 09.4</b>		<b>Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	200 mg/kg	144 & 188
ASPARTAME	951	2007	300 mg/kg	144 & 191
ASPARTAME-ACESULFAME SALT	962	2009	200 mg/kg	113
BRILLIANT BLUE FCF	133	2005	500 mg/kg	
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15 & 180
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 180
CANTHAXANTHIN	161g	2011	15 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	1999	500 mg/kg	50
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	30000 mg/kg	95
CARMINES	120	2005	500 mg/kg	16
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	500 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	95
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	500 mg/kg	95
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	340 mg/kg	21
FAST GREEN FCF	143	2009	100 mg/kg	95
GRAPE SKIN EXTRACT	163(ii)	2009	1500 mg/kg	16
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	
IRON OXIDES	172(i)-(iii)	2010	50 mg/kg	95
NEOTAME	961	2008	10 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
PONCEAU 4R (COCHINEAL RED A)	124	2008	500 mg/kg	
RIBOFLAVINS	101(i),(ii)	2008	500 mg/kg	95
SACCHARINS	954(i)-(iv)	2007	200 mg/kg	144
STEVIOL GLYCOSIDES	960	2011	100 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	120 mg/kg	144
SULFITES	220-225, 227, 228, 539	2007	150 mg/kg	44 & 140
SUNSET YELLOW FCF	110	2008	300 mg/kg	95

**Food Category No. 10.1**      **Fresh eggs**

Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	100 mg/kg	4
BRILLIANT BLUE FCF	133	2005	GMP	4

Table Two

<b>Food Category No. 10.1</b>		<b>Fresh eggs</b>		
Additive	INS	Year Adopted	Max Level	Notes
CANTHAXANTHIN	161g	2005	GMP	4
CARAMEL III - AMMONIA CARAMEL	150c	2010	20000 mg/kg	4
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2010	20000 mg/kg	4
CARMINES	120	2005	GMP	4
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	4
CAROTENOIDS	160a(i),a(iii),e,f	2011	1000 mg/kg	4
FAST GREEN FCF	143	1999	GMP	4
GRAPE SKIN EXTRACT	163(ii)	2010	1500 mg/kg	4
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	4 & 161
IRON OXIDES	172(i)-(iii)	2005	GMP	4
PONCEAU 4R (COCHINEAL RED A)	124	2008	500 mg/kg	4
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	4
SUNSET YELLOW FCF	110	2008	GMP	4
<b>Food Category No. 10.2</b>		<b>Egg products</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	20000 mg/kg	161
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
<b>Food Category No. 10.2.1</b>		<b>Liquid egg products</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACETIC ACID, GLACIAL	260	2013	GMP	
BENZOATES	210-213	2003	5000 mg/kg	13
CITRIC ACID	330	2013	GMP	
LACTIC ACID, L-, D- and DL-	270	2013	GMP	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	4400 mg/kg	33 & 67
SODIUM ACETATE	262(i)	2013	GMP	
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	
SODIUM LACTATE	325	2013	GMP	
SORBATES	200-203	2009	5000 mg/kg	42
TRIETHYL CITRATE	1505	1999	2500 mg/kg	47
TRISODIUM CITRATE	331(iii)	2013	GMP	
<b>Food Category No. 10.2.2</b>		<b>Frozen egg products</b>		
Additive	INS	Year Adopted	Max Level	Notes

Table Two

<b>Food Category No. 10.2.2</b>		<b>Frozen egg products</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACETIC ACID, GLACIAL	260	2013	GMP	
CITRIC ACID	330	2013	GMP	
LACTIC ACID, L-, D- and DL-	270	2013	GMP	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	1290 mg/kg	33
SODIUM ACETATE	262(i)	2013	GMP	
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	
SODIUM LACTATE	325	2013	GMP	
SORBATES	200-203	2009	1000 mg/kg	42
TRISODIUM CITRATE	331(iii)	2013	GMP	
<b>Food Category No. 10.2.3</b>		<b>Dried and/or heat coagulated egg products</b>		
Additive	INS	Year Adopted	Max Level	Notes
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	200 mg/kg	21 & 47
SORBATES	200-203	2009	1000 mg/kg	42
TRIETHYL CITRATE	1505	1999	2500 mg/kg	47
<b>Food Category No. 10.3</b>		<b>Preserved eggs, including alkaline, salted, and canned eggs</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2010	20000 mg/kg	4
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	20000 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1000 mg/kg	33
<b>Food Category No. 10.4</b>		<b>Egg-based desserts (e.g., custard)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	161 & 188
ALLURA RED AC	129	2009	300 mg/kg	161
ASCORBYL ESTERS	304, 305	2001	500 mg/kg	2 & 10
ASPARTAME	951	2007	1000 mg/kg	161 & 191
BENZOATES	210-213	2003	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2005	150 mg/kg	
CANTHAXANTHIN	161g	2011	15 mg/kg	

Table Two

<b>Food Category No. 10.4</b>		<b>Egg-based desserts (e.g., custard)</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2010	20000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	20000 mg/kg	
CARMINES	120	2005	150 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	150 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	150 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	300 mg/kg	2
CYCLAMATES	952(i), (ii), (iv)	2007	250 mg/kg	17 & 161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
FAST GREEN FCF	143	2009	100 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	200 mg/kg	181
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	161
IRON OXIDES	172(i)-(iii)	2010	150 mg/kg	
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
NEOTAME	961	2007	100 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1400 mg/kg	33
POLYSORBATES	432-436	2007	3000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	
PROPYL GALLATE	310	2001	90 mg/kg	2 & 15
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	40000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	100 mg/kg	144
SORBATES	200-203	2009	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	330 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	161
SUCROGLYCERIDES	474	2009	5000 mg/kg	
SUNSET YELLOW FCF	110	2008	50 mg/kg	
<b>Food Category No. 11.1.1</b>		<b>White sugar, dextrose anhydrous, dextrose monohydrate, fructose</b>		
Additive	INS	Year Adopted	Max Level	Notes
SULFITES	220-225, 227, 228, 539	2005	15 mg/kg	44
<b>Food Category No. 11.1.2</b>		<b>Powdered sugar, powdered dextrose</b>		
Additive	INS	Year Adopted	Max Level	Notes

Table Two

<b>Food Category No. 11.1.2</b>		<b>Powdered sugar, powdered dextrose</b>		
Additive	INS	Year Adopted	Max Level	Notes
CALCIUM SILICATE	552	2006	15000 mg/kg	56
MAGNESIUM CARBONATE	504(i)	2006	15000 mg/kg	56
MAGNESIUM SILICATE, SYNTHETIC	553(i)	2006	15000 mg/kg	56
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2006	6600 mg/kg	33 & 56
SILICON DIOXIDE, AMORPHOUS	551	2006	15000 mg/kg	56
SULFITES	220-225, 227, 228, 539	2005	15 mg/kg	44
<b>Food Category No. 11.1.3</b>		<b>Soft white sugar, soft brown sugar, glucose syrup, dried glucose syrup, raw cane sugar</b>		
Additive	INS	Year Adopted	Max Level	Notes
SULFITES	220-225, 227, 228, 539	2006	20 mg/kg	44 & 111
<b>Food Category No. 11.1.5</b>		<b>Plantation or mill white sugar</b>		
Additive	INS	Year Adopted	Max Level	Notes
SULFITES	220-225, 227, 228, 539	2005	70 mg/kg	44
<b>Food Category No. 11.2</b>		<b>Brown sugar excluding products of food category 11.1.3</b>		
Additive	INS	Year Adopted	Max Level	Notes
SULFITES	220-225, 227, 228, 539	2006	40 mg/kg	44
<b>Food Category No. 11.3</b>		<b>Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3</b>		
Additive	INS	Year Adopted	Max Level	Notes
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SULFITES	220-225, 227, 228, 539	2007	70 mg/kg	44
<b>Food Category No. 11.4</b>		<b>Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	1000 mg/kg	159 & 188
ALITAME	956	2007	200 mg/kg	159
ALLURA RED AC	129	2009	300 mg/kg	161
ASCORBYL ESTERS	304, 305	2003	200 mg/kg	10
ASPARTAME	951	2007	3000 mg/kg	159 & 191
BENZOATES	210-213	2003	1000 mg/kg	13
CALCIUM ACETATE	263	2013	GMP	258
CANTHAXANTHIN	161g	2011	15 mg/kg	

Table Two

**Food Category No. 11.4** **Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)**

Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	100
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	50 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2011	50 mg/kg	217
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2005	64 mg/kg	62
CYCLAMATES	952(i), (ii), (iv)	2007	500 mg/kg	17 & 159
HYDROXYBENZOATES, PARA-	214, 218	2012	100 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	161
MAGNESIUM CARBONATE	504(i)	2013	GMP	258
MAGNESIUM HYDROXIDE	528	2013	GMP	258
MAGNESIUM HYDROXIDE CARBONATE	504(ii)	2013	GMP	258
NEOTAME	961	2007	70 mg/kg	159
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	1320 mg/kg	33
PONCEAU 4R (COCHINEAL RED A)	124	2008	300 mg/kg	159
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	258
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	5000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2008	300 mg/kg	159
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	258
SORBATES	200-203	2009	1000 mg/kg	42
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	1500 mg/kg	159 & 161
SULFITES	220-225, 227, 228, 539	2006	40 mg/kg	44
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	258
TRISODIUM CITRATE	331(iii)	2013	GMP	258

**Food Category No. 11.6** **Table-top sweeteners, including those containing high-intensity sweeteners**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	GMP	188
ALITAME	956	2007	GMP	
ASPARTAME	951	2007	GMP	191
ASPARTAME-ACESULFAME SALT	962	2012	GMP	
BENZOATES	210-213	2003	2000 mg/kg	13
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	1200 mg/kg	213

Table Two

**Food Category No. 11.6** **Table-top sweeteners, including those containing high-intensity sweeteners**

Additive	INS	Year Adopted	Max Level	Notes
CYCLAMATES	952(i), (ii), (iv)	2007	GMP	17
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2005	1000 mg/kg	21 & 96
NEOTAME	961	2007	GMP	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	1000 mg/kg	33
POLYETHYLENE GLYCOL	1521	2001	10000 mg/kg	
POLYVINYLPIRROLIDONE	1201	1999	3000 mg/kg	
SACCHARINS	954(i)-(iv)	2007	GMP	
SORBATES	200-203	2010	1000 mg/kg	42 & 192
STEVIOL GLYCOSIDES	960	2011	GMP	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	GMP	

**Food Category No. 12.1.1** **Salt**

Additive	INS	Year Adopted	Max Level	Notes
CALCIUM CARBONATE	170(i)	2006	GMP	
CALCIUM SILICATE	552	2006	GMP	
FERROCYANIDES	535, 536, 538	2006	14 mg/kg	24 & 107
MAGNESIUM CARBONATE	504(i)	2006	GMP	
MAGNESIUM OXIDE	530	2006	GMP	
MAGNESIUM SILICATE, SYNTHETIC	553(i)	2006	GMP	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2006	8800 mg/kg	33
POLYSORBATES	432-436	2006	10 mg/kg	
SALTS OF MYRISTIC, PALMITIC AND STEARIC ACIDS WITH AMMONIA, CALCIUM, POTASSIUM AND SODIUM	470(i)	2006	GMP	71
SILICON DIOXIDE, AMORPHOUS	551	2006	GMP	
SODIUM ALUMINOSILICATE	554	2013	1000 mg/kg	6 & 254

**Food Category No. 12.1.2** **Salt Substitutes**

Additive	INS	Year Adopted	Max Level	Notes
ACETIC ACID, GLACIAL	260	2013	GMP	
ASCORBIC ACID, L-	300	2013	GMP	
CALCIUM CARBONATE	170(i)	2013	GMP	



Table Two

<b>Food Category No. 12.1.2</b>		<b>Salt Substitutes</b>		
Additive	INS	Year Adopted	Max Level	Notes
CALCIUM LACTATE	327	2013	GMP	
CITRIC ACID	330	2013	GMP	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2006	16000 mg/kg	
FERROCYANIDES	535, 536, 538	1999	20 mg/kg	24
FUMARIC ACID	297	2013	GMP	
LACTIC ACID, L-, D- and DL-	270	2013	GMP	
MAGNESIUM CARBONATE	504(i)	2013	GMP	
MAGNESIUM HYDROXIDE	528	2013	GMP	
MAGNESIUM HYDROXIDE CARBONATE	504(ii)	2013	GMP	
MALIC ACID, DL-	296	2013	GMP	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	4400 mg/kg	33
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	
SODIUM ACETATE	262(i)	2013	GMP	
SODIUM CARBONATE	500(i)	2013	GMP	
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	
SODIUM FUMARATES	365	2013	GMP	
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	
TRISODIUM CITRATE	331(iii)	2013	GMP	

  

<b>Food Category No. 12.2</b>		<b>Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	2000 mg/kg	161 & 188
ASCORBYL ESTERS	304, 305	2001	500 mg/kg	10
BUTYLATED HYDROXYANISOLE	320	2005	200 mg/kg	15 & 130
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 130
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2010	10000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	70 mg/kg	21
NEOTAME	961	2008	32 mg/kg	161
PROPYL GALLATE	310	2001	200 mg/kg	15 & 130
SORBATES	200-203	2009	1000 mg/kg	42
TERTIARY BUTYLHYDROQUINONE	319	2005	200 mg/kg	15 & 130

  

<b>Food Category No. 12.2.1</b>		<b>Herbs and spices</b>		
Additive	INS	Year Adopted	Max Level	Notes

Table Two

<b>Food Category No. 12.2.1</b>		<b>Herbs and spices</b>		
Additive	INS	Year Adopted	Max Level	Notes
POLYSORBATES	432-436	2008	2000 mg/kg	
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	400 mg/kg	161
SULFITES	220-225, 227, 228, 539	2006	150 mg/kg	44
<b>Food Category No. 12.2.2</b>		<b>Seasonings and condiments</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	300 mg/kg	
ASPARTAME	951	2008	2000 mg/kg	161 & 191
BENZOATES	210-213	2003	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2009	100 mg/kg	
CANTHAXANTHIN	161g	2011	20 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	
CARMINES	120	2005	500 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2011	500 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	500 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	500 mg/kg	
FAST GREEN FCF	143	2009	100 mg/kg	
FERROCYANIDES	535, 536, 538	1999	20 mg/kg	24
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	
IRON OXIDES	172(i)-(iii)	2005	1000 mg/kg	
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(ii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33 & 226
POLYSORBATES	432-436	2007	5000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	500 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	350 mg/kg	
SACCHARINS	954(i)-(iv)	2008	1500 mg/kg	161
SODIUM ALUMINOSILICATE	554	2013	1000 mg/kg	6 & 255
STEVIOL GLYCOSIDES	960	2011	30 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	700 mg/kg	161
SULFITES	220-225, 227, 228, 539	2006	200 mg/kg	44
SUNSET YELLOW FCF	110	2008	300 mg/kg	
<b>Food Category No. 12.3</b>		<b>Vinegars</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	2000 mg/kg	161 & 188

Table Two

<b>Food Category No. 12.3</b>		<b>Vinegars</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASPARTAME	951	2008	3000 mg/kg	161 & 191
BENZOATES	210-213	2003	1000 mg/kg	13
CARAMEL III - AMMONIA CARAMEL	150c	2010	1000 mg/kg	78
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	
HYDROXYBENZOATES, PARA-	214, 218	2012	100 mg/kg	27
NEOTAME	961	2008	12 mg/kg	161
POLYVINYLPIRROLIDONE	1201	1999	40 mg/kg	
SACCHARINS	954(i)-(iv)	2008	300 mg/kg	
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	400 mg/kg	161
SULFITES	220-225, 227, 228, 539	2006	100 mg/kg	44

  

<b>Food Category No. 12.4</b>		<b>Mustards</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	188
ALLURA RED AC	129	2009	300 mg/kg	
ASCORBYL ESTERS	304, 305	2003	500 mg/kg	10
ASPARTAME	951	2007	350 mg/kg	191
BENZOATES	210-213	2003	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2009	100 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	
CARMINES	120	2005	300 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	300 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	500 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	75 mg/kg	21
GRAPE SKIN EXTRACT	163(ii)	2009	200 mg/kg	181
HYDROXYBENZOATES, PARA-	214, 218	2010	300 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	
NEOTAME	961	2007	12 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	300 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	320 mg/kg	
SORBATES	200-203	2012	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	130 mg/kg	26

Table Two

<b>Food Category No. 12.4</b>		<b>Mustards</b>		
Additive	INS	Year Adopted	Max Level	Notes
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	140 mg/kg	
SULFITES	220-225, 227, 228, 539	2007	250 mg/kg	44 & 106
SUNSET YELLOW FCF	110	2008	300 mg/kg	
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15
<b>Food Category No. 12.5</b>		<b>Soups and broths</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	110 mg/kg	161 & 188
ALITAME	956	2007	40 mg/kg	161
ALLURA RED AC	129	2009	300 mg/kg	161
ASCORBYL ESTERS	304, 305	2001	200 mg/kg	10
ASPARTAME	951	2009	1200 mg/kg	161 & 188
BENZOATES	210-213	2001	500 mg/kg	13
BRILLIANT BLUE FCF	133	2009	50 mg/kg	
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15 & 130
BUTYLATED HYDROXYTOLUENE	321	2006	100 mg/kg	15 & 130
CARAMEL III - AMMONIA CARAMEL	150c	2010	25000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	25000 mg/kg	212
CARMINES	120	2005	50 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	300 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	400 mg/kg	127
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	500 mg/kg	181
INDIGOTINE (INDIGO CARMINE)	132	2009	50 mg/kg	
IRON OXIDES	172(i)-(iii)	2005	100 mg/kg	
NEOTAME	961	2007	20 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1500 mg/kg	33 & 127
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
POLYSORBATES	432-436	2005	1000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	
PROPYL GALLATE	310	2012	200 mg/kg	15, 127 & 130
RIBOFLAVINS	101(i),(ii)	2005	200 mg/kg	
SACCHARINS	954(i)-(iv)	2007	110 mg/kg	161

Table Two

<b>Food Category No. 12.5</b>		<b>Soups and broths</b>		
Additive	INS	Year Adopted	Max Level	Notes
SORBATES	200-203	2012	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	50 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	600 mg/kg	161
SUCROGLYCERIDES	474	2009	2000 mg/kg	
SUNSET YELLOW FCF	110	2008	50 mg/kg	
TERTIARY BUTYLHYDROQUINONE	319	2006	200 mg/kg	15 & 130

  

<b>Food Category No. 12.5.1</b>		<b>Ready-to-eat soups and broths, including canned, bottled, and frozen</b>		
Additive	INS	Year Adopted	Max Level	Notes
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	

  

<b>Food Category No. 12.5.2</b>		<b>Mixes for soups and broths</b>		
Additive	INS	Year Adopted	Max Level	Notes
CANTHAXANTHIN	161g	2011	30 mg/kg	127
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	127
SODIUM ALUMINOSILICATE	554	2013	570 mg/kg	6

  

<b>Food Category No. 12.6</b>		<b>Sauces and like products</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	1000 mg/kg	188
ALLURA RED AC	129	2009	300 mg/kg	
ASPARTAME	951	2007	350 mg/kg	191
BENZOATES	210-213	2003	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2009	100 mg/kg	
BUTYLATED HYDROXYANISOLE	320	2005	200 mg/kg	15 & 130
BUTYLATED HYDROXYTOLUENE	321	2006	100 mg/kg	15 & 130
CANTHAXANTHIN	161g	2011	30 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	30000 mg/kg	
CARMINES	120	2005	500 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	500 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	100 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
FORMIC ACID	236	2001	200 mg/kg	25
GUAIAC RESIN	314	2004	600 mg/kg	15
HYDROXYBENZOATES, PARA-	214, 218	2010	1000 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	

Table Two

<b>Food Category No. 12.6</b>		<b>Sauces and like products</b>		
Additive	INS	Year Adopted	Max Level	Notes
IRON OXIDES	172(i)-(iii)	2005	75 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	2200 mg/kg	33
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	
PROPYL GALLATE	310	2001	200 mg/kg	15 & 130
RIBOFLAVINS	101(i),(ii)	2005	350 mg/kg	
SACCHARINS	954(i)-(iv)	2007	160 mg/kg	
SORBATES	200-203	2012	1000 mg/kg	42 & 127
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	450 mg/kg	127
SUCROGLYCERIDES	474	2009	10000 mg/kg	
SULFITES	220-225, 227, 228, 539	2007	300 mg/kg	44
SUNSET YELLOW FCF	110	2008	300 mg/kg	
TERTIARY BUTYLHYDROQUINONE	319	2005	200 mg/kg	15 & 130
<b>Food Category No. 12.6.1</b>		<b>Emulsified sauces and dips (e.g., mayonnaise, salad dressing, onion dip)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2001	500 mg/kg	10 & 15
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	2000 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2008	500 mg/kg	17 & 161
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	100 mg/kg	21
FAST GREEN FCF	143	2009	100 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	300 mg/kg	181
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
NEOTAME	961	2007	65 mg/kg	
POLYSORBATES	432-436	2007	3000 mg/kg	
STEVIOL GLYCOSIDES	960	2011	350 mg/kg	26
<b>Food Category No. 12.6.2</b>		<b>Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2005	500 mg/kg	10
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	2000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	75 mg/kg	21
GRAPE SKIN EXTRACT	163(ii)	2009	300 mg/kg	181
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	
NEOTAME	961	2007	70 mg/kg	

**Food Category No. 12.6.2 Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)**

Additive	INS	Year Adopted	Max Level	Notes
POLYSORBATES	432-436	2007	5000 mg/kg	
STEVIOLE GLYCOSIDES	960	2011	350 mg/kg	26

**Food Category No. 12.6.3 Mixes for sauces and gravies**

Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2001	200 mg/kg	10
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	2000 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	300 mg/kg	181
NEOTAME	961	2007	12 mg/kg	
POLYSORBATES	432-436	2007	5000 mg/kg	127
SODIUM ALUMINOSILICATE	554	2013	570 mg/kg	6
STEVIOLE GLYCOSIDES	960	2011	350 mg/kg	26 & 127

**Food Category No. 12.6.4 Clear sauces (e.g., fish sauce)**

Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2001	200 mg/kg	10
NEOTAME	961	2007	12 mg/kg	
POLYSORBATES	432-436	2007	5000 mg/kg	
STEVIOLE GLYCOSIDES	960	2011	350 mg/kg	26

**Food Category No. 12.7 Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	161 & 188
ASCORBYL ESTERS	304, 305	2001	200 mg/kg	10
ASPARTAME	951	2007	350 mg/kg	161 & 166
BENZOATES	210-213	2003	1500 mg/kg	13
CARAMEL III - AMMONIA CARAMEL	150c	2012	50000 mg/kg	89
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	1000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	50 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2008	500 mg/kg	17 & 161
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	100 mg/kg	21
GRAPE SKIN EXTRACT	163(ii)	2009	1500 mg/kg	
LAURIC ARGINATE ETHYL ESTER	243	2011	200 mg/kg	

**Food Category No. 12.7** **Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3**

Additive	INS	Year Adopted	Max Level	Notes
NEOTAME	961	2007	33 mg/kg	161 & 166
POLYSORBATES	432-436	2007	2000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	200 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2010	200 mg/kg	161 & 166
SORBATES	200-203	2009	1500 mg/kg	42
STEVIOLE GLYCOSIDES	960	2011	115 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	1250 mg/kg	161 & 169

**Food Category No. 12.8** **Yeast and like products**

Additive	INS	Year Adopted	Max Level	Notes
BUTYLATED HYDROXYANISOLE	320	2006	200 mg/kg	15

**Food Category No. 12.9** **Soybean-based seasonings and condiments**

Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1200 mg/kg	33

**Food Category No. 12.9.1** **Fermented soybean paste (e.g., miso)**

Additive	INS	Year Adopted	Max Level	Notes
RIBOFLAVINS	101(i),(ii)	2010	30 mg/kg	
SACCHARINS	954(i)-(iv)	2012	200 mg/kg	
SORBATES	200-203	2010	1000 mg/kg	42

**Food Category No. 12.9.2.1** **Fermented soybean sauce**

Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2011	20000 mg/kg	207
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	60000 mg/kg	
SACCHARINS	954(i)-(iv)	2012	500 mg/kg	
SORBATES	200-203	2010	1000 mg/kg	42
STEVIOLE GLYCOSIDES	960	2011	30 mg/kg	26

**Food Category No. 12.9.2.2** **Non-fermented soybean sauce**

Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2011	1500 mg/kg	



Table Two

<b>Food Category No. 12.9.2.2</b>		<b>Non-fermented soybean sauce</b>		
Additive	INS	Year Adopted	Max Level	Notes
STEVIOL GLYCOSIDES	960	2011	165 mg/kg	26

  

<b>Food Category No. 12.9.2.3</b>		<b>Other soybean sauces</b>		
Additive	INS	Year Adopted	Max Level	Notes
CAMEL III - AMMONIA CAMEL	150c	2011	20000 mg/kg	
SORBATES	200-203	2010	1000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	165 mg/kg	26

  

<b>Food Category No. 13.1.1</b>		<b>Infant formulae</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2009	10 mg/kg	15, 72 & 187
CALCIUM HYDROXIDE	526	2013	2000 mg/kg	55 & 72
POTASSIUM CARBONATE	501(i)	2013	2000 mg/kg	55 & 72
POTASSIUM HYDROGEN CARBONATE	501(ii)	2013	2000 mg/kg	55 & 72
POTASSIUM HYDROXIDE	525	2013	2000 mg/kg	55 & 72
SODIUM CARBONATE	500(i)	2013	2000 mg/kg	55 & 72
SODIUM HYDROGEN CARBONATE	500(ii)	2013	2000 mg/kg	55 & 72
SODIUM HYDROXIDE	524	2013	2000 mg/kg	55 & 72

  

<b>Food Category No. 13.1.2</b>		<b>Follow-up formulae</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBIC ACID, L-	300	2013	50 mg/kg	72 & 242
ASCORBYL ESTERS	304, 305	2009	50 mg/kg	15 & 72
CALCIUM HYDROXIDE	526	2013	GMP	72
CITRIC ACID	330	2013	GMP	72
LACTIC ACID, L-, D- and DL-	270	2013	GMP	72 & 83
POTASSIUM CARBONATE	501(i)	2013	GMP	72
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	72
POTASSIUM HYDROGEN CARBONATE	501(ii)	2013	GMP	72
POTASSIUM HYDROXIDE	525	2013	GMP	72
SODIUM CARBONATE	500(i)	2013	GMP	72
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	72
SODIUM HYDROGEN CARBONATE	500(ii)	2013	GMP	72
SODIUM HYDROXIDE	524	2013	GMP	72
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	72
TRISODIUM CITRATE	331(iii)	2013	GMP	72

  

<b>Food Category No. 13.1.3</b>		<b>Formulae for special medical purposes for infants</b>		
Additive	INS	Year Adopted	Max Level	Notes

**Food Category No. 13.1.3**      **Formulae for special medical purposes for infants**

Additive	INS	Year Adopted	Max Level	Notes
ASCORBYL ESTERS	304, 305	2006	10 mg/kg	10, 15 & 72
CALCIUM HYDROXIDE	526	2013	2000 mg/kg	55 & 72
POTASSIUM CARBONATE	501(i)	2013	2000 mg/kg	55 & 72
POTASSIUM HYDROGEN CARBONATE	501(ii)	2013	2000 mg/kg	55 & 72
POTASSIUM HYDROXIDE	525	2013	2000 mg/kg	55 & 72
SODIUM CARBONATE	500(i)	2013	2000 mg/kg	55 & 72
SODIUM HYDROGEN CARBONATE	500(ii)	2013	2000 mg/kg	55 & 72
SODIUM HYDROXIDE	524	2013	2000 mg/kg	55 & 72

**Food Category No. 13.2**      **Complementary foods for infants and young children**

Additive	INS	Year Adopted	Max Level	Notes
ACETIC ACID, GLACIAL	260	2013	5000 mg/kg	238
AMMONIUM CARBONATE	503(i)	2013	GMP	239 & 248
AMMONIUM HYDROGEN CARBONATE	503(ii)	2013	GMP	239 & 248
ASCORBIC ACID, L-	300	2013	500 mg/kg	242
ASCORBYL ESTERS	304, 305	2010	100 mg/kg	10 & 15
CALCIUM ACETATE	263	2013	GMP	239
CALCIUM CARBONATE	170(i)	2013	GMP	
CALCIUM HYDROXIDE	526	2013	GMP	239
CALCIUM LACTATE	327	2013	GMP	83 & 239
CITRIC ACID	330	2013	5000 mg/kg	238
GLUCONO DELTA-LACTONE	575	2013	GMP	239
HYDROCHLORIC ACID	507	2013	GMP	239
LACTIC ACID, L-, D- and DL-	270	2013	2000 mg/kg	83 & 238
MALIC ACID, DL-	296	2013	GMP	239
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	4400 mg/kg	33 & 230
POTASSIUM ACETATES	261	2013	GMP	239
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	239
POTASSIUM HYDROGEN CARBONATE	501(ii)	2013	GMP	
POTASSIUM HYDROXIDE	525	2013	GMP	239
POTASSIUM LACTATE	326	2013	GMP	83 & 239
SODIUM ACETATE	262(i)	2013	GMP	239
SODIUM CARBONATE	500(i)	2013	GMP	240 & 243

Table Two

**Food Category No. 13.2 Complementary foods for infants and young children**

Additive	INS	Year Adopted	Max Level	Notes
SODIUM DIHYDROGEN CITRATE	331(i)	2013	5000 mg/kg	238
SODIUM HYDROGEN CARBONATE	500(ii)	2013	GMP	240
SODIUM HYDROXIDE	524	2013	GMP	239
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	239
TRISODIUM CITRATE	331(iii)	2013	5000 mg/kg	238

**Food Category No. 13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	500 mg/kg	188
ALLURA RED AC	129	2009	50 mg/kg	
ASPARTAME	951	2007	1000 mg/kg	191
ASPARTAME-ACESULFAME SALT	962	2012	500 mg/kg	113
BENZOATES	210-213	2003	1500 mg/kg	13
BRILLIANT BLUE FCF	133	2005	50 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	20000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	20000 mg/kg	
CARMINES	120	2005	50 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	600 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	50 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	400 mg/kg	17
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	250 mg/kg	181
INDIGOTINE (INDIGO CARMINE)	132	2009	50 mg/kg	
NEOTAME	961	2007	33 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	2200 mg/kg	33
POLYDIMETHYLSILOXANE	900a	2004	50 mg/kg	
POLYSORBATES	432-436	2005	1000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	5000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	200 mg/kg	
SORBATES	200-203	2009	1500 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	350 mg/kg	26

**Food Category No. 13.3** **Dietetic foods intended for special medical purposes (excluding products of food category 13.1)**

Additive	INS	Year Adopted	Max Level	Notes
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	
SUCROGLYCERIDES	474	2009	5000 mg/kg	
SUNSET YELLOW FCF	110	2008	50 mg/kg	

**Food Category No. 13.4** **Dietetic formulae for slimming purposes and weight reduction**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	450 mg/kg	188
ALLURA RED AC	129	2009	50 mg/kg	
ASCORBYL ESTERS	304, 305	2005	500 mg/kg	10
ASPARTAME	951	2007	800 mg/kg	191
ASPARTAME-ACESULFAME SALT	962	2009	450 mg/kg	113
BENZOATES	210-213	2003	1500 mg/kg	13
BRILLIANT BLUE FCF	133	2005	50 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	20000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	20000 mg/kg	
CARMINES	120	2005	50 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	600 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	50 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	400 mg/kg	17
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	250 mg/kg	181
INDIGOTINE (INDIGO CARMINE)	132	2009	50 mg/kg	
NEOTAME	961	2007	33 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	2200 mg/kg	33
POLYDIMETHYLSILOXANE	900a	2004	50 mg/kg	
POLYSORBATES	432-436	2005	1000 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	5000 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	300 mg/kg	
SORBATES	200-203	2009	1500 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	270 mg/kg	26

Table Two

**Food Category No. 13.4** **Dietetic formulae for slimming purposes and weight reduction**

Additive	INS	Year Adopted	Max Level	Notes
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	320 mg/kg	
SUCROGLYCERIDES	474	2009	5000 mg/kg	
SUNSET YELLOW FCF	110	2008	50 mg/kg	

**Food Category No. 13.5** **Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	450 mg/kg	188
ALITAME	956	2007	300 mg/kg	
ALLURA RED AC	129	2009	300 mg/kg	
ASCORBYL ESTERS	304, 305	2009	500 mg/kg	10
ASPARTAME	951	2007	1000 mg/kg	191
ASPARTAME-ACESULFAME SALT	962	2009	450 mg/kg	113
BENZOATES	210-213	2003	2000 mg/kg	13
BRILLIANT BLUE FCF	133	2005	300 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	20000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	20000 mg/kg	
CARMINES	120	2005	300 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	600 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	300 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	400 mg/kg	17
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	250 mg/kg	181
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	
NEOTAME	961	2007	65 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	2200 mg/kg	33
POLYDIMETHYLSILOXANE	900a	2004	50 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	300 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	200 mg/kg	
SORBATES	200-203	2012	1500 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	660 mg/kg	26 & 198
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	400 mg/kg	

Table Two

<b>Food Category No. 13.5</b>		<b>Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6</b>		
Additive	INS	Year Adopted	Max Level	Notes
SUNSET YELLOW FCF	110	2008	300 mg/kg	
<b>Food Category No. 13.6</b>		<b>Food supplements</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	2000 mg/kg	188
ALLURA RED AC	129	2009	300 mg/kg	
ASCORBYL ESTERS	304, 305	2003	500 mg/kg	10
ASPARTAME	951	2007	5500 mg/kg	191
ASPARTAME-ACESULFAME SALT	962	2012	2000 mg/kg	113
BEESWAX	901	2001	GMP	3
BENZOATES	210-213	2003	2000 mg/kg	13
BRILLIANT BLUE FCF	133	2005	300 mg/kg	
BUTYLATED HYDROXYANISOLE	320	2006	400 mg/kg	15 & 196
BUTYLATED HYDROXYTOLUENE	321	2006	400 mg/kg	15 & 196
CANDELILLA WAX	902	2001	GMP	3
CARAMEL III - AMMONIA CARAMEL	150c	2010	20000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	20000 mg/kg	
CARMINES	120	2005	300 mg/kg	
CARNAUBA WAX	903	2006	5000 mg/kg	3
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	600 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	300 mg/kg	
CASTOR OIL	1503	2007	1000 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	500 mg/kg	3
CYCLAMATES	952(i), (ii), (iv)	2007	1250 mg/kg	17
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	150 mg/kg	21
FAST GREEN FCF	143	2009	600 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	500 mg/kg	181
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	
IRON OXIDES	172(i)-(iii)	2009	7500 mg/kg	3
NEOTAME	961	2007	90 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2010	2200 mg/kg	33

Table Two

<b>Food Category No. 13.6</b>		<b>Food supplements</b>		
Additive	INS	Year Adopted	Max Level	Notes
POLYDIMETHYLSILOXANE	900a	2004	50 mg/kg	
POLYETHYLENE GLYCOL	1521	2001	70000 mg/kg	
POLYSORBATES	432-436	2007	25000 mg/kg	
POLYVINYL ALCOHOL	1203	2007	45000 mg/kg	
POLYVINYLPIRROLIDONE	1201	1999	GMP	
PONCEAU 4R (COCHINEAL RED A)	124	2008	300 mg/kg	
PROPYL GALLATE	310	2001	400 mg/kg	15 & 196
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SACCHARINS	954(i)-(iv)	2007	1200 mg/kg	
SHELLAC, BLEACHED	904	2001	GMP	3
SORBATES	200-203	2012	2000 mg/kg	42
STEVIOL GLYCOSIDES	960	2011	2500 mg/kg	26 & 203
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	2400 mg/kg	
SUCROGLYCERIDES	474	2012	2500 mg/kg	
SUNSET YELLOW FCF	110	2008	300 mg/kg	

  

<b>Food Category No. 14.1.2.1</b>		<b>Fruit juice</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBIC ACID, L-	300	2005	GMP	
BENZOATES	210-213	2004	1000 mg/kg	13, 91 & 122
CALCIUM ASCORBATE	302	2005	GMP	
CARBON DIOXIDE	290	2005	GMP	69
CITRIC ACID	330	2005	3000 mg/kg	122
MALIC ACID, DL-	296	2005	GMP	115
PECTINS	440	2005	GMP	35
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2005	1000 mg/kg	33, 40 & 122
POTASSIUM ASCORBATE	303	2005	GMP	
SODIUM ASCORBATE	301	2005	GMP	
SORBATES	200-203	2005	1000 mg/kg	42, 91 & 122
SULFITES	220-225, 227, 228, 539	2005	50 mg/kg	44 & 122
TARTRATES	334; 335(i),(ii); 336(i),(ii); 337	2005	4000 mg/kg	45, 128 & 129

  

<b>Food Category No. 14.1.2.2</b>		<b>Vegetable juice</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBIC ACID, L-	300	2013	GMP	
CITRIC ACID	330	2013	GMP	

Table Two

<b>Food Category No. 14.1.2.2</b>		<b>Vegetable juice</b>		
Additive	INS	Year Adopted	Max Level	Notes
MALIC ACID, DL-	296	2013	GMP	
SULFITES	220-225, 227, 228, 539	2006	50 mg/kg	44 & 122

  

<b>Food Category No. 14.1.2.3</b>		<b>Concentrates for fruit juice</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBIC ACID, L-	300	2005	GMP	127
BENZOATES	210-213	2004	1000 mg/kg	13, 91, 122 & 127
CALCIUM ASCORBATE	302	2005	GMP	127
CARBON DIOXIDE	290	2005	GMP	69 & 127
CITRIC ACID	330	2005	3000 mg/kg	122 & 127
MALIC ACID, DL-	296	2005	GMP	115 & 127
PECTINS	440	2005	GMP	35 & 127
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2005	1000 mg/kg	33, 40, 122 & 127
POTASSIUM ASCORBATE	303	2005	GMP	127
SODIUM ASCORBATE	301	2005	GMP	127
SORBATES	200-203	2005	1000 mg/kg	42, 91, 122 & 127
SULFITES	220-225, 227, 228, 539	2005	50 mg/kg	44, 122 & 127
TARTRATES	334; 335(i),(ii); 336(i),(ii); 337	2005	4000 mg/kg	45, 127, 128 & 129

  

<b>Food Category No. 14.1.2.4</b>		<b>Concentrates for vegetable juice</b>		
Additive	INS	Year Adopted	Max Level	Notes
ASCORBIC ACID, L-	300	2013	GMP	
CITRIC ACID	330	2013	GMP	
MALIC ACID, DL-	296	2013	GMP	
SULFITES	220-225, 227, 228, 539	2006	50 mg/kg	44, 122 & 127

  

<b>Food Category No. 14.1.3</b>		<b>Fruit and vegetable nectars</b>		
Additive	INS	Year Adopted	Max Level	Notes
STEVIOL GLYCOSIDES	960	2011	200 mg/kg	26

  

<b>Food Category No. 14.1.3.1</b>		<b>Fruit nectar</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2005	350 mg/kg	188
ASCORBIC ACID, L-	300	2005	GMP	
ASPARTAME	951	2005	600 mg/kg	191
BENZOATES	210-213	2004	1000 mg/kg	13, 91 & 122
CALCIUM ASCORBATE	302	2005	GMP	



Table Two

<b>Food Category No. 14.1.3.1</b>		<b>Fruit nectar</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARBON DIOXIDE	290	2005	GMP	69
CITRIC ACID	330	2005	5000 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2005	400 mg/kg	17 & 122
MALIC ACID, DL-	296	2005	GMP	
PECTINS	440	2005	GMP	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2005	1000 mg/kg	33, 40 & 122
POTASSIUM ASCORBATE	303	2005	GMP	
SACCHARINS	954(i)-(iv)	2005	80 mg/kg	
SODIUM ASCORBATE	301	2005	GMP	
SORBATES	200-203	2005	1000 mg/kg	42, 91 & 122
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2005	300 mg/kg	
SULFITES	220-225, 227, 228, 539	2005	50 mg/kg	44 & 122
TARTRATES	334; 335(i),(ii); 336(i),(ii); 337	2005	4000 mg/kg	45 & 128
<b>Food Category No. 14.1.3.2</b>		<b>Vegetable nectar</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2008	350 mg/kg	161 & 188
ASCORBIC ACID, L-	300	2013	GMP	
ASPARTAME	951	2007	600 mg/kg	161 & 191
CITRIC ACID	330	2013	GMP	
CYCLAMATES	952(i), (ii), (iv)	2007	400 mg/kg	17 & 161
MALIC ACID, DL-	296	2013	GMP	
NEOTAME	961	2007	65 mg/kg	161
SACCHARINS	954(i)-(iv)	2008	80 mg/kg	161
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	300 mg/kg	161
SULFITES	220-225, 227, 228, 539	2006	50 mg/kg	44 & 122
<b>Food Category No. 14.1.3.3</b>		<b>Concentrates for fruit nectar</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2005	350 mg/kg	127 & 188
ASCORBIC ACID, L-	300	2005	GMP	127
ASPARTAME	951	2005	600 mg/kg	127 & 191
BENZOATES	210-213	2004	1000 mg/kg	13, 91, 122 & 127
CALCIUM ASCORBATE	302	2005	GMP	127
CARBON DIOXIDE	290	2005	GMP	69 & 127

Table Two

<b>Food Category No. 14.1.3.3</b>		<b>Concentrates for fruit nectar</b>		
Additive	INS	Year Adopted	Max Level	Notes
CITRIC ACID	330	2005	5000 mg/kg	127
CYCLAMATES	952(i), (ii), (iv)	2005	400 mg/kg	17, 122 & 127
MALIC ACID, DL-	296	2005	GMP	127
PECTINS	440	2005	GMP	127
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2005	1000 mg/kg	33, 40, 122 & 127
POTASSIUM ASCORBATE	303	2005	GMP	127
SACCHARINS	954(i)-(iv)	2005	80 mg/kg	127
SODIUM ASCORBATE	301	2005	GMP	127
SORBATES	200-203	2005	1000 mg/kg	42, 91, 122 & 127
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2005	300 mg/kg	127
SULFITES	220-225, 227, 228, 539	2005	50 mg/kg	44, 122 & 127
TARTRATES	334; 335(i),(ii); 336(i),(ii); 337	2005	4000 mg/kg	45, 127 & 128

<b>Food Category No. 14.1.3.4</b>		<b>Concentrates for vegetable nectar</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	127, 161 & 188
ASCORBIC ACID, L-	300	2013	GMP	
ASPARTAME	951	2007	600 mg/kg	127 & 161
BENZOATES	210-213	2004	600 mg/kg	13
CITRIC ACID	330	2013	GMP	
CYCLAMATES	952(i), (ii), (iv)	2007	400 mg/kg	17, 127 & 161
MALIC ACID, DL-	296	2013	GMP	
NEOTAME	961	2007	65 mg/kg	127 & 161
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	300 mg/kg	127 & 161
SULFITES	220-225, 227, 228, 539	2006	50 mg/kg	44, 122 & 127

<b>Food Category No. 14.1.4</b>		<b>Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks</b>		
Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	600 mg/kg	161 & 188
ALITAME	956	2007	40 mg/kg	161
ALLURA RED AC	129	2009	300 mg/kg	127 & 161
ASCORBYL ESTERS	304, 305	2001	1000 mg/kg	10 & 15
ASPARTAME	951	2007	600 mg/kg	161 & 191
BEESWAX	901	2006	200 mg/kg	131

Table Two

**Food Category No. 14.1.4 Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks**

Additive	INS	Year Adopted	Max Level	Notes
BENZOATES	210-213	2004	600 mg/kg	13, 123 & 301
BRILLIANT BLUE FCF	133	2005	100 mg/kg	
CANDELILLA WAX	902	2006	200 mg/kg	131
CARAMEL III - AMMONIA CARAMEL	150c	2010	5000 mg/kg	9
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	50000 mg/kg	
CARMINES	120	2008	100 mg/kg	178
CARNAUBA WAX	903	2003	200 mg/kg	131
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	2000 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	300 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2010	350 mg/kg	17 & 127
CYCLODEXTRIN, BETA-	459	2001	500 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
DIMETHYL DICARBONATE	242	1999	250 mg/kg	18
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	200 mg/kg	21
FAST GREEN FCF	143	1999	100 mg/kg	
FORMIC ACID	236	2001	100 mg/kg	25
GLYCEROL ESTER OF WOOD ROSIN	445(iii)	1999	150 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	300 mg/kg	181
HYDROXYBENZOATES, PARA-	214, 218	2010	500 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	100 mg/kg	
IRON OXIDES	172(i)-(iii)	2005	100 mg/kg	
ISOPROPYL CITRATES	384	2001	200 mg/kg	
NEOTAME	961	2007	33 mg/kg	161
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	1000 mg/kg	33
POLYDIMETHYLSILOXANE	900a	1999	20 mg/kg	
POLYETHYLENE GLYCOL	1521	2001	1000 mg/kg	
POLYSORBATES	432-436	2007	500 mg/kg	127
PONCEAU 4R (COCHINEAL RED A)	124	2008	50 mg/kg	
PROPYL GALLATE	310	2001	1000 mg/kg	15
PROPYLENE GLYCOL ESTERS OF FATTY ACIDS	477	2001	500 mg/kg	

**Food Category No. 14.1.4 Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks**

Additive	INS	Year Adopted	Max Level	Notes
QUILLAIA EXTRACTS	999(i),(ii)	2007	50 mg/kg	132 & 168
RIBOFLAVINS	101(i),(ii)	2005	50 mg/kg	
SORBATES	200-203	2012	500 mg/kg	42 & 127
STANNOUS CHLORIDE	512	2001	20 mg/kg	43
STEARYL CITRATE	484	1999	500 mg/kg	
STEVIOLE GLYCOSIDES	960	2011	200 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	300 mg/kg	127 & 161
SUCROGLYCERIDES	474	2012	200 mg/kg	219
SUCROSE ACETATE ISOBUTYRATE	444	1999	500 mg/kg	
SULFITES	220-225, 227, 228, 539	2006	70 mg/kg	44, 127 & 143
SUNSET YELLOW FCF	110	2008	100 mg/kg	127 & 161
THIODIPROPIONATES	388, 389	1999	1000 mg/kg	15 & 46
TRIETHYL CITRATE	1505	1999	200 mg/kg	

**Food Category No. 14.1.4.1 Carbonated water-based flavoured drinks**

Additive	INS	Year Adopted	Max Level	Notes
CANTHAXANTHIN	161g	2011	5 mg/kg	
LAURIC ARGINATE ETHYL ESTER	243	2011	50 mg/kg	
SACCHARINS	954(i)-(iv)	2008	300 mg/kg	161

**Food Category No. 14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades**

Additive	INS	Year Adopted	Max Level	Notes
CANTHAXANTHIN	161g	2011	5 mg/kg	
LAURIC ARGINATE ETHYL ESTER	243	2011	50 mg/kg	
SACCHARINS	954(i)-(iv)	2008	300 mg/kg	161

**Food Category No. 14.1.4.3 Concentrates (liquid or solid) for water-based flavoured drinks**

Additive	INS	Year Adopted	Max Level	Notes
CANTHAXANTHIN	161g	2011	5 mg/kg	127
FERRIC AMMONIUM CITRATE	381	1999	10 mg/kg	23
LAURIC ARGINATE ETHYL ESTER	243	2011	50 mg/kg	127
POLYVINYLPIRROLIDONE	1201	1999	500 mg/kg	
SACCHARINS	954(i)-(iv)	2008	300 mg/kg	127 & 161

Table Two

**Food Category No. 14.1.5 Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	600 mg/kg	160,161 & 188
ACETIC ACID, GLACIAL	260	2013	GMP	160
ASCORBIC ACID, L-	300	2013	GMP	160
ASPARTAME	951	2007	600 mg/kg	160 & 161
BEESWAX	901	2001	GMP	108
BENZOATES	210-213	2004	1000 mg/kg	13
CALCIUM CARBONATE	170(i)	2013	GMP	160
CALCIUM LACTATE	327	2013	GMP	160
CANDELILLA WAX	902	2001	GMP	108
CARAMEL III - AMMONIA CARAMEL	150c	2010	10000 mg/kg	160 & 7
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	10000 mg/kg	7 & 127
CARNAUBA WAX	903	2006	200 mg/kg	108
CITRIC ACID	330	2013	GMP	160
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2006	500 mg/kg	142
DIMETHYL DICARBONATE	242	2004	250 mg/kg	18
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2001	35 mg/kg	21
FUMARIC ACID	297	2013	GMP	160
HYDROXYBENZOATES, PARA-	214, 218	2012	450 mg/kg	27 & 160
MAGNESIUM CARBONATE	504(i)	2013	GMP	160
MAGNESIUM HYDROXIDE	528	2013	GMP	160
MAGNESIUM HYDROXIDE CARBONATE	504(ii)	2013	GMP	160
MALIC ACID, DL-	296	2013	GMP	160
NEOTAME	961	2007	50 mg/kg	160
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2012	300 mg/kg	33 & 160
POTASSIUM CARBONATE	501(i)	2013	GMP	160
POTASSIUM DIHYDROGEN CITRATE	332(i)	2013	GMP	160
SACCHARINS	954(i)-(iv)	2007	200 mg/kg	160
SHELLAC, BLEACHED	904	2001	GMP	108
SODIUM ACETATE	262(i)	2013	GMP	160
SODIUM CARBONATE	500(i)	2013	GMP	160
SODIUM DIHYDROGEN CITRATE	331(i)	2013	GMP	160
SODIUM DL-MALATE	350(ii)	2013	GMP	160

**Food Category No. 14.1.5 Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa**

Additive	INS	Year Adopted	Max Level	Notes
SODIUM FUMARATES	365	2013	GMP	160
SODIUM HYDROGEN CARBONATE	500(ii)	2013	GMP	160
SODIUM LACTATE	325	2013	GMP	160
SORBATES	200-203	2012	500 mg/kg	42 & 160
STEVIOL GLYCOSIDES	960	2011	200 mg/kg	26 & 160
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2007	300 mg/kg	160 & 161
SUCROGLYCERIDES	474	2009	1000 mg/kg	176
TRIPOTASSIUM CITRATE	332(ii)	2013	GMP	160
TRISODIUM CITRATE	331(iii)	2013	GMP	160

**Food Category No. 14.2.1 Beer and malt beverages**

Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	
CARMINES	120	2005	100 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	600 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2004	25 mg/kg	21
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
POLYVINYLPIRROLIDONE	1201	1999	10 mg/kg	36
SULFITES	220-225, 227, 228, 539	2006	50 mg/kg	44

**Food Category No. 14.2.2 Cider and perry**

Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	200 mg/kg	
BENZOATES	210-213	2004	1000 mg/kg	13 & 124
BRILLIANT BLUE FCF	133	2005	200 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	1000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	1000 mg/kg	
CARMINES	120	2005	200 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	600 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	200 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
DIMETHYL DICARBONATE	242	2004	250 mg/kg	18
GRAPE SKIN EXTRACT	163(ii)	2009	300 mg/kg	181
HYDROXYBENZOATES, PARA-	214, 218	2010	200 mg/kg	27

Table Two

<b>Food Category No. 14.2.2</b>		<b>Cider and perry</b>		
Additive	INS	Year Adopted	Max Level	Notes
INDIGOTINE (INDIGO CARMINE)	132	2009	200 mg/kg	
LYSOZYME	1105	2004	500 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2010	880 mg/kg	33
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
POLYVINYLPIRROLIDONE	1201	1999	2 mg/kg	36
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SORBATES	200-203	2012	500 mg/kg	42
SULFITES	220-225, 227, 228, 539	2006	200 mg/kg	44
<b>Food Category No. 14.2.3</b>		<b>Grape wines</b>		
Additive	INS	Year Adopted	Max Level	Notes
DIMETHYL DICARBONATE	242	2004	200 mg/kg	18
LYSOZYME	1105	2004	500 mg/kg	
SORBATES	200-203	2012	200 mg/kg	42
SULFITES	220-225, 227, 228, 539	2006	350 mg/kg	44 & 103
<b>Food Category No. 14.2.3.3</b>		<b>Fortified grape wine, grape liquor wine, and sweet grape wine</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	
<b>Food Category No. 14.2.4</b>		<b>Wines (other than grape)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	200 mg/kg	
BENZOATES	210-213	2003	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2005	200 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	1000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	1000 mg/kg	
CARMINES	120	2005	200 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	600 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	200 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
DIMETHYL DICARBONATE	242	2004	250 mg/kg	18
GRAPE SKIN EXTRACT	163(ii)	2009	300 mg/kg	181
HYDROXYBENZOATES, PARA-	214, 218	2012	200 mg/kg	27

Table Two

<b>Food Category No. 14.2.4</b>		<b>Wines (other than grape)</b>		
Additive	INS	Year Adopted	Max Level	Notes
INDIGOTINE (INDIGO CARMINE)	132	2009	200 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	300 mg/kg	
SORBATES	200-203	2012	500 mg/kg	42
SULFITES	220-225, 227, 228, 539	2006	200 mg/kg	44
<b>Food Category No. 14.2.5</b>		<b>Mead</b>		
Additive	INS	Year Adopted	Max Level	Notes
BENZOATES	210-213	2004	1000 mg/kg	13
CARAMEL III - AMMONIA CARAMEL	150c	2010	1000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	1000 mg/kg	
DIMETHYL DICARBONATE	242	2004	200 mg/kg	18
HYDROXYBENZOATES, PARA-	214, 218	2010	200 mg/kg	27
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	440 mg/kg	33 & 88
SORBATES	200-203	2012	200 mg/kg	42
SULFITES	220-225, 227, 228, 539	2006	200 mg/kg	44
<b>Food Category No. 14.2.6</b>		<b>Distilled spirituous beverages containing more than 15% alcohol</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	300 mg/kg	
BRILLIANT BLUE FCF	133	2005	200 mg/kg	
CANTHAXANTHIN	161g	2011	5 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	
CARMINES	120	2005	200 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	600 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	200 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	5000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2005	25 mg/kg	21
FAST GREEN FCF	143	1999	100 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2010	300 mg/kg	181
INDIGOTINE (INDIGO CARMINE)	132	2009	300 mg/kg	



Table Two

**Food Category No. 14.2.6 Distilled spirituous beverages containing more than 15% alcohol**

Additive	INS	Year Adopted	Max Level	Notes
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	440 mg/kg	33 & 88
POLYSORBATES	432-436	2007	120 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	200 mg/kg	
SUCROGLYCERIDES	474	2009	5000 mg/kg	
SULFITES	220-225, 227, 228, 539	2006	200 mg/kg	44
SUNSET YELLOW FCF	110	2008	200 mg/kg	

**Food Category No. 14.2.7 Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	188
ALLURA RED AC	129	2009	200 mg/kg	
ASPARTAME	951	2007	600 mg/kg	191
ASPARTAME-ACESULFAME SALT	962	2010	350 mg/kg	113
BENZOATES	210-213	2003	1000 mg/kg	13
BRILLIANT BLUE FCF	133	2005	200 mg/kg	
CANTHAXANTHIN	161g	2011	5 mg/kg	
CARAMEL III - AMMONIA CARAMEL	150c	2010	50000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2011	50000 mg/kg	
CARMINES	120	2008	200 mg/kg	178
CAROTENES, BETA-, VEGETABLE	160a(ii)	2005	600 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2009	200 mg/kg	
CYCLAMATES	952(i), (ii), (iv)	2007	250 mg/kg	17
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
ETHYLENE DIAMINE TETRA ACETATES	385, 386	2007	25 mg/kg	21
FAST GREEN FCF	143	1999	100 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	300 mg/kg	181
HYDROXYBENZOATES, PARA-	214, 218	2012	1000 mg/kg	27 & 224
INDIGOTINE (INDIGO CARMINE)	132	2009	200 mg/kg	
NEOTAME	961	2007	33 mg/kg	
POLYDIMETHYLSILOXANE	900a	1999	10 mg/kg	
POLYSORBATES	432-436	2007	120 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	200 mg/kg	
RIBOFLAVINS	101(i),(ii)	2005	100 mg/kg	

**Food Category No. 14.2.7**      **Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)**

Additive	INS	Year Adopted	Max Level	Notes
SACCHARINS	954(i)-(iv)	2007	80 mg/kg	
SORBATES	200-203	2012	500 mg/kg	42 & 224
STEVIOL GLYCOSIDES	960	2011	200 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	700 mg/kg	161
SUCROGLYCERIDES	474	2012	5000 mg/kg	
SULFITES	220-225, 227, 228, 539	2011	250 mg/kg	44
SUNSET YELLOW FCF	110	2008	200 mg/kg	

**Food Category No. 15.0**      **Ready-to-eat savouries**

Additive	INS	Year Adopted	Max Level	Notes
ACESULFAME POTASSIUM	950	2007	350 mg/kg	188
ASPARTAME	951	2008	500 mg/kg	191
BEESWAX	901	2001	GMP	3
BUTYLATED HYDROXYTOLUENE	321	2006	200 mg/kg	15 & 130
CANDELILLA WAX	902	2001	GMP	3
CARAMEL III - AMMONIA CARAMEL	150c	2009	10000 mg/kg	
CARAMEL IV - SULFITE AMMONIA CARAMEL	150d	2009	10000 mg/kg	
CARNAUBA WAX	903	2006	200 mg/kg	3
NEOTAME	961	2007	32 mg/kg	
PHOSPHATES	338; 339(i)-(iii); 340(i)-(iii); 341(i)-(iii); 342(i),(ii); 343(i)-(iii); 450(i)-(iii),(v)-(vii); 451(i),(ii); 452(i)-(v); 542	2009	2200 mg/kg	33
SACCHARINS	954(i)-(iv)	2007	100 mg/kg	
SHELLAC, BLEACHED	904	2001	GMP	3
STEVIOL GLYCOSIDES	960	2011	170 mg/kg	26
SUCRALOSE (TRICHLOROGALACTOSUCROSE)	955	2008	1000 mg/kg	161
TERTIARY BUTYLHYDROQUINONE	319	2005	200 mg/kg	15 & 130
THIODIPROPIONATES	388, 389	1999	200 mg/kg	46

**Food Category No. 15.1**      **Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)**

Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	200 mg/kg	161
ASCORBYL ESTERS	304, 305	2001	200 mg/kg	10
BENZOATES	210-213	2004	1000 mg/kg	13

Table Two

<b>Food Category No. 15.1</b>		<b>Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)</b>		
Additive	INS	Year Adopted	Max Level	Notes
BRILLIANT BLUE FCF	133	2005	200 mg/kg	
BUTYLATED HYDROXYANISOLE	320	2005	200 mg/kg	15 & 130
CANTHAXANTHIN	161g	2011	45 mg/kg	
CARMINES	120	2005	200 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2009	100 mg/kg	
CAROTENOIDS	160a(i),a(iii),e,f	2010	100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	350 mg/kg	
CYCLODEXTRIN, BETA-	459	2004	500 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	20000 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	500 mg/kg	181
HYDROXYBENZOATES, PARA-	214, 218	2009	300 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	200 mg/kg	
IRON OXIDES	172(i)-(iii)	2005	500 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	200 mg/kg	
PROPYL GALLATE	310	2005	200 mg/kg	15 & 130
RIBOFLAVINS	101(i),(ii)	2005	1000 mg/kg	
SORBATES	200-203	2009	1000 mg/kg	42
SULFITES	220-225, 227, 228, 539	2006	50 mg/kg	44
SUNSET YELLOW FCF	110	2008	200 mg/kg	

  

<b>Food Category No. 15.2</b>		<b>Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)</b>		
Additive	INS	Year Adopted	Max Level	Notes
ALLURA RED AC	129	2009	100 mg/kg	
ASCORBYL ESTERS	304, 305	2001	200 mg/kg	10
BRILLIANT BLUE FCF	133	2005	100 mg/kg	
BUTYLATED HYDROXYANISOLE	320	2005	200 mg/kg	15 & 130
CARMINES	120	2005	100 mg/kg	
CAROTENES, BETA-, VEGETABLE	160a(ii)	2011	20000 mg/kg	3
CAROTENOIDS	160a(i),a(iii),e,f	2009	100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	100 mg/kg	
DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL	472e	2005	10000 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2009	300 mg/kg	181
HYDROXYBENZOATES, PARA-	214, 218	2010	300 mg/kg	27
INDIGOTINE (INDIGO CARMINE)	132	2009	100 mg/kg	

Table Two

<b>Food Category No. 15.2</b>		<b>Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)</b>		
Additive	INS	Year Adopted	Max Level	Notes
IRON OXIDES	172(i)-(iii)	2005	400 mg/kg	
PONCEAU 4R (COCHINEAL RED A)	124	2008	100 mg/kg	
PROPYL GALLATE	310	2005	200 mg/kg	15 & 130
RIBOFLAVINS	101(i),(ii)	2005	1000 mg/kg	
SORBATES	200-203	2009	1000 mg/kg	42

  

<b>Food Category No. 15.3</b>		<b>Snacks - fish based</b>		
Additive	INS	Year Adopted	Max Level	Notes
CARMINES	120	2009	200 mg/kg	178
CAROTENES, BETA-, VEGETABLE	160a(ii)	2010	100 mg/kg	
CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES	141(i),(ii)	2009	350 mg/kg	
GRAPE SKIN EXTRACT	163(ii)	2011	400 mg/kg	

## Notes to the General Standard for Food Additives

- Note 1 As adipic acid.
- Note 2 On dry ingredient, dry weight, dry mix or concentrate basis.
- Note 3 Surface treatment.
- Note 4 For decoration, stamping, marking or branding the product.
- Note 5 Excluding products conforming to the Standard for Jams, Jellies and Marmalades (CODEX STAN 296-2009).
- Note 6 As aluminium.
- Note 7 For coffee substitutes only.
- Note 8 As bixin.
- Note 9 10 000 mg/kg for use in ready-to-drink coffee products.
- Note 10 As ascorbyl stearate.
- Note 11 Flour basis.
- Note 12 Carryover from flavouring substances.
- Note 13 As benzoic acid.
- Note 14 For use in hydrolyzed protein liquid formula only.
- Note 15 Fat or oil basis.
- Note 16 For use in glaze, coatings or decorations for fruit, vegetables, meat or fish.
- Note 17 As cyclamic acid.
- Note 18 Added level; residue not detected in ready-to-eat food.
- Note 19 Used in cocoa fat; use level on ready-to-eat basis.
- Note 20 On total amount of stabilizers, thickeners and/or gums.
- Note 21 As anhydrous calcium disodium ethylenediaminetetraacetate.
- Note 22 For use in smoked fish products only.
- Note 23 As iron.
- Note 24 As anhydrous sodium ferrocyanide.
- Note 25 As formic acid.
- Note 26 As steviol equivalents.
- Note 27 As para-hydroxybenzoic acid.
- Note 28 ADI conversion: if a typical preparation contains 0.025 µg/U, then the ADI of 33 000 U/kg bw becomes:  $[(33\ 000\ \text{U/kg bw}) \times (0.025\ \mu\text{g/U}) \times (1\ \text{mg}/1\ 000\ \mu\text{g})] = 0.825\ \text{mg/kg bw}$
- Note 29 Reporting basis not specified.
- Note 30 As residual NO<sub>3</sub> ion.
- Note 31 Of the mash used.
- Note 32 As residual NO<sub>2</sub> ion.
- Note 33 As phosphorus.
- Note 34 Anhydrous basis.
- Note 35 For use in cloudy juices only.
- Note 36 Residual level.
- Note 37 As weight of nonfat milk solids.
- Note 38 Level in creaming mixture.
- Note 39 Only when product contains butter or other fats and oils.
- Note 40 INS 451i (pentasodium triphosphate) only, to enhance the effectiveness of benzoates and sorbates.
- Note 41 Use in breading or batter coatings only.
- Note 42 As sorbic acid.
- Note 43 As tin.
- Note 44 As residual SO<sub>2</sub>.
- Note 45 As tartaric acid.
- Note 46 As thiodipropionic acid.
- Note 47 On egg yolk weight, dry basis.
- Note 48 For olives only.

Table Two

- Note 49 For use on citrus fruits only.
- Note 50 For use in fish roe only.
- Note 51 For use in herbs only.
- Note 52 Excluding chocolate milk.
- Note 53 For use in coatings only.
- Note 54 For use in cocktail cherries and candied cherries only.
- Note 55 Singly or in combination, within the limits for sodium, calcium, and potassium specified in the commodity standard.
- Note 56 Provided starch is not present.
- Note 57 GMP is 1 part benzoyl peroxide and not more than 6 parts of the subject additive by weight.
- Note 58 As calcium.
- Note 59 Use as packaging gas.
- Note 60 If used as a carbonating agent, the CO<sub>2</sub> in the finished wine shall not exceed 39.2 mg/kg.
- Note 61 For use in minced fish only.
- Note 62 As copper.
- Note 63 On amount of dairy ingredients.
- Note 64 Level added to dry beans; 200 mg/kg in ready-to-eat food, anhydrous basis.
- Note 65 Carryover from nutrient preparations.
- Note 66 As formaldehyde. For use in provolone cheese only.
- Note 67 Except for use in liquid egg whites at 8 800 mg/kg as phosphorus, and in liquid whole eggs at 14 700 mg/kg as phosphorus.
- Note 68 For use in products with no added sugar only.
- Note 69 Use as carbonating agent.
- Note 70 As the acid.
- Note 71 Calcium, potassium and sodium salts only.
- Note 72 Ready-to-eat basis.
- Note 73 Except whole fish.
- Note 74 Excluding liquid whey and whey products used as ingredients in infant formula.
- Note 75 Use in milk powder for vending machines only.
- Note 76 Use in potatoes only.
- Note 77 For special nutritional uses only.
- Note 78 50 000 mg/kg for pickling and balsamic vinegars only.
- Note 79 For use on nuts only.
- Note 80 Equivalent to 2 mg/dm<sup>2</sup> surface application to a maximum depth of 5 mm.
- Note 81 Equivalent to 1 mg/dm<sup>2</sup> surface application to a maximum depth of 5 mm.
- Note 82 For use in shrimp; 6 000 mg/kg for Crangon crangon and Crangon vulgaris.
- Note 83 L(+)-form only.
- Note 84 For infants over 1 year of age only.
- Note 85 Use level in sausage casings; residue in sausage prepared with such casings should not exceed 100 mg/kg.
- Note 86 Use in whipped dessert toppings other than cream only.
- Note 87 Treatment level.
- Note 88 Carryover from the ingredient.
- Note 89 For sandwich spreads only.
- Note 90 For use in milk-sucrose mixtures used in the finished product.
- Note 91 Benzoates and sorbates, singly or in combination.
- Note 92 Excluding tomato-based sauces.
- Note 93 Except natural wine produced from Vitis vinifera grapes.
- Note 94 For use in loganiza (fresh, uncured sausage) only.
- Note 95 For use in surimi and fish roe products only.
- Note 96 On a dried weight basis of the high intensity sweetener.
- Note 97 In the finished product/final cocoa and chocolate products.
- Note 98 For dust control.
- Note 99 For use in fish fillets and minced fish only.

Table Two

- Note 100 Only for crystalline products and sugar toppings.
- Note 101 Use level singly, not to exceed 15 000 mg/kg in combination.
- Note 102 For use in fat emulsions for baking purposes only.
- Note 103 Except for use in special white wines at 400 mg/kg.
- Note 104 Maximum 5 000 mg/kg residue in bread and yeast-leavened bakery products.
- Note 105 Except for use in dried gourd strips (Kampyo) at 5 000 mg/kg.
- Note 106 Except for use in Dijon mustard at 500 mg/kg.
- Note 107 Except for use of sodium ferrocyanide (INS 535) and potassium ferrocyanide (INS 536) in food-grade dendritic salt at 29 mg/kg as anhydrous sodium ferrocyanide.
- Note 108 For use on coffee beans only.
- Note 109 Use level reported as  $25 \text{ lbs}/1\ 000 \text{ gal} \times (0.45 \text{ kg}/\text{lb}) \times (1 \text{ gal}/3.75 \text{ L}) \times (1 \text{ L}/\text{kg}) \times (10^6 \text{ mg}/\text{kg}) = 3\ 000 \text{ mg}/\text{kg}$
- Note 110 For use in frozen French fried potatoes only.
- Note 111 Excluding dried glucose syrup used in the manufacture of sugar confectionery at 150 mg/kg and glucose syrup used in the manufacture of sugar confectionery at 400 mg/kg.
- Note 112 For use in grated cheese only.
- Note 113 Use level reported as acesulfame potassium equivalents (the reported maximum level can be converted to an aspartame-acesulfame salt basis by dividing by 0.44). Combined use of aspartame-acesulfame salt with individual acesulfame potassium or aspartame should not exceed the individual maximum levels for acesulfame potassium or aspartame (the reported maximum level can be converted to aspartame equivalents by dividing by 0.68).
- Note 114 Excluding cocoa powder.
- Note 115 For use in pineapple juice only.
- Note 116 For use in doughs only.
- Note 117 Except for use in loganiza (fresh, uncured sausage) at 1 000 mg/kg.
- Note 118 Except for use in tocino (fresh, cured sausage) at 1 000 mg/kg.
- Note 119 Use level reported as aspartame equivalents (the reported maximum level can be converted to an aspartame-acesulfame salt basis by dividing by 0.64). Combined use of aspartame-acesulfame salt with individual aspartame or acesulfame potassium should not exceed the individual maximum levels for aspartame or acesulfame potassium (the reported maximum level can be converted to acesulfame potassium equivalents by multiplying by 0.68).
- Note 120 Except for use in caviar at 2 500 mg/kg.
- Note 121 Excluding fermented fish products at 1 000 mg/kg.
- Note 122 Subject to national legislation of the importing country.
- Note 123 1 000 mg/kg for beverages with pH greater than 3.5.
- Note 124 Only for products containing less than 7% ethanol.
- Note 125 For use as a release agent for baking pans in a mixture with vegetable oil.
- Note 126 For releasing dough in dividing or baking only.
- Note 127 As served to the consumer.
- Note 128 INS 334 (tartaric acid) only.
- Note 129 For use as an acidity regulator in grape juice.
- Note 130 Singly or in combination: butylated hydroxyanisole (INS 320), butylated hydroxytoluene (INS 321), tertiary butylated hydroquinone (INS 319), and propyl gallate (INS 310).
- Note 131 As a result of use as a flavour carrier.
- Note 132 Except for use at 130 mg/kg (dried basis) in semi-frozen beverages.
- Note 133 Any combination of butylated hydroxyanisole (INS 320), butylated hydroxytoluene (INS 321), and propyl gallate (INS 310) at 200 mg/kg, provided that single use limits are not exceeded.
- Note 134 Except for use in cereal-based puddings at 500 mg/kg.
- Note 135 Except for use in dried apricots at 2000 mg/kg, bleached raisins at 1500 mg/kg, desiccated coconut at 200 mg/kg and coconut from which oil has been partially extracted at 50 mg/kg.
- Note 136 To prevent browning of certain light coloured vegetables.
- Note 137 Except for use in frozen avocado at 300 mg/kg.
- Note 138 For use in energy-reduced products only.
- Note 139 For use in mollusks, crustaceans, and echinoderms only.
- Note 140 Except for use in canned abalone (PAUA) at 1 000 mg/kg.

Table Two

- Note 141 For use in white chocolate only.
- Note 142 Excluding coffee and tea.
- Note 143 For use in fruit juice-based drinks and dry ginger ale only.
- Note 144 For use in sweet and sour products only.
- Note 145 Products are energy reduced or with no added sugar.
- Note 146 Use level for beta-carotene (synthetic) (INS 160ai); 35 mg/kg for beta-apo-8'-carotenal (INS 160e) and beta-apo-8'-carotenoic acid, methyl or ethyl ester (INS 160f).
- Note 147 Excluding whey powders for infant food.
- Note 148 For use in microsweets and breath freshening mints at 10 000 mg/kg
- Note 149 Except for use in fish roe at 100 mg/kg.
- Note 150 Use level for soy-based formula; 25 000 mg/kg for hydrolyzed protein and/or amino acid-based formula.
- Note 151 Use level for soy-based formula; 1 000 mg/kg for hydrolyzed protein and/or amino acid-based formula.
- Note 152 For frying purposes only.
- Note 153 For use in instant noodles only.
- Note 154 For use in coconut milk only.
- Note 155 For use in frozen, sliced apples only.
- Note 156 For use in microsweets and breath freshening mints at 2 500 mg/kg.
- Note 157 For use in microsweets and breath freshening mints at 2 000 mg/kg.
- Note 158 For use in microsweets and breath freshening mints at 1 000 mg/kg.
- Note 159 For use in pancake syrup and maple syrup only.
- Note 160 For use in ready-to-drink products and pre-mixes for ready-to-drink products only.
- Note 161 Subject to national legislation of the importing country aimed, in particular, at consistency with Section 3.2 of the Preamble.
- Note 162 For use in dehydrated products and salami-type products only.
- Note 163 For use in microsweets and breath freshening mints at 3 000 mg/kg.
- Note 164 For use in microsweets and breath freshening mints at 30 000 mg/kg.
- Note 165 For use in products for special nutritional use only.
- Note 166 For milk-based sandwich spreads only.
- Note 167 For dehydrated products only.
- Note 168 Quillaia extract type 1 (INS 999(i)) only. Acceptable maximum use level is expressed on saponin basis.
- Note 169 For use in fat-based sandwich spreads only.
- Note 170 Excluding products conforming to the Standard for Fermented Milks (CODEX STAN 243-2003).
- Note 171 Excluding anhydrous milkfat.
- Note 172 Except for use in fruit sauces, fruit toppings, coconut cream, coconut milk and "fruit bars" at 50 mg/kg.
- Note 173 Excluding instant noodles containing vegetables and eggs.
- Note 174 Singly or in combination: sodium aluminosilicate (INS 554), calcium aluminium silicate (INS 556), and aluminium silicate (INS 559).
- Note 175 Except for use in jelly-type fruit-based desserts at 200 mg/kg.
- Note 176 For use in canned liquid coffee only.
- Note 177 For use in sliced, cut, shredded, or grated cheese only.
- Note 178 Expressed as carminic acid.
- Note 179 To restore the natural colour lost in processing only.
- Note 180 Singly or in combination: butylated hydroxyanisole (BHA, INS 320) and butylated hydroxytoluene (BHT, INS 321).
- Note 181 Expressed as anthocyanin.
- Note 182 Except for use in coconut milk.
- Note 183 Products conforming to the Standard for Chocolate and Chocolate Products (CODEX STAN 87-1981) may only use colours for surface decoration.
- Note 184 For use in nutrient coated rice grain premixes only.
- Note 185 As norbixin.
- Note 186 For use in flours with additives only.



Table Two

- Note 187 Ascorbyl palmitate (INS 304) only.
- Note 188 Not to exceed the maximum use level for acesulfame potassium (INS 950) singly or in combination with aspartame-acesulfame salt (INS 962).
- Note 189 Excluding rolled oats.
- Note 190 Except for use in fermented milk drinks at 500 mg/kg.
- Note 191 Not to exceed the maximum use level for aspartame (INS 951) singly or in combination with aspartame-acesulfame salt (INS 962).
- Note 192 For liquid products only.
- Note 193 For use in crustacean and fish pastes only.
- Note 194 Only for use in instant noodles conforming to the Standard for Instant Noodles (CODEX STAN 249-2006).
- Note 195 Singly or in combination: butylated hydroxyanisole (BHA, INS 320), butylated hydroxytoluene (BHT, INS 321) and tertiary butylhydroquinone (TBHQ, INS 319).
- Note 196 Singly or in combination: butylated hydroxyanisole (BHA, INS 320), butylated hydroxytoluene (BHT, INS 321) and propyl gallate (INS 310).
- Note 197 Singly or in combination: butylated hydroxytoluene (BHT, INS 321) and propyl gallate (INS 310).
- Note 198 Use level for solid products (e.g., energy, meal replacement or fortified bars); 600 mg/kg as steviol equivalents for use in liquid products.
- Note 199 For use in microsweets and breath freshening mints at 6000 mg/kg as steviol equivalents.
- Note 200 Except for use in Japanese style 'lachs ham' of pork loin (cured and non-heat-treated) at 120 mg/kg as steviol equivalents
- Note 201 For use in flavoured products only.
- Note 202 For use in brine used in the production of sausage only.
- Note 203 For use in chewable supplements only.
- Note 204 For use at 50 mg/kg in longan and lichee only.
- Note 205 For use at 50 mg/kg to prevent browning of certain light colored vegetables.
- Note 206 For use at 30 mg/kg as a bleaching agent only for products conforming to the Standard for Aqueous Coconut Products (CODEX STAN 240-2003).
- Note 207 For use at 50,000 mg/kg in soybean sauce intended for further processing.
- Note 208 For use in dried and dehydrated products only.
- Note 209 Excluding products conforming to the Standard for Blend of Skimmed Milk and Vegetable Fat in Powdered Form (CODEX STAN 251-2006).
- Note 210 For use in pasta made from *Triticum aestivum*, and for use in noodles.
- Note 211 For use in noodles only.
- Note 212 Except for products conforming to the Standard for Bouillon and Consommés (CODEX STAN 117-1981) at 3000 mg/kg.
- Note 213 For use in liquid products containing high intensity sweeteners only.
- Note 214 Excluding products conforming to the Standard for Dairy Fat Spreads (CODEX STAN 253-2006).
- Note 215 Excluding products conforming to the Standard for Fat Spreads and Blended Spreads (CODEX STAN 256-2007).
- Note 216 For use in maize-based products only.
- Note 217 For use at 300 mg/kg in toppings only.
- Note 218 Only sulfites can be used as preservatives and antioxidants in the products covered by the Standard for Desiccated Coconut (CODEX STAN 177-1991).
- Note 219 Except for use at 5,000 mg/kg in non-alcoholic aniseed-based, coconut-based, and almond-based drinks.
- Note 220 For use in flavoured products heat treated after fermentation only.
- Note 221 For use in potato dough and pre-fried potato slices only.
- Note 222 For use in collagen-based casings with a water activity greater than 0.6 only.
- Note 223 Except for use at 3,000 mg/kg in products containing added fruits, vegetables, or meats.
- Note 224 Excluding aromatized beer.
- Note 225 Except for use in self-raising flour at 12,000 mg/kg.
- Note 226 Except for use as a meat tenderizer at 35,000 mg/kg.
- Note 227 For use in sterilized and UHT treated milks only.

Table Two

- Note 228 Except for use at 1,320 mg/kg to stabilize higher protein liquid whey used for further processing into whey protein concentrates.
- Note 229 For use as a flour treatment agent, raising agent or leavening agent.
- Note 230 For use as an acidity regulator only.
- Note 231 Only for use in flavoured fermented milks and flavoured fermented milks heat treated after fermentation.
- Note 232 Only for use in vegetable fats conforming to the Standard for Edible Fats and Oils Not Covered by Individual Standards (CODEX STAN 19-1981), singly or in combination.
- Note 233 As nisin.
- Note 234 For use as stabilizer or thickener only.
- Note 235 Use restricted to reconstitution and recombination only.
- Note 236 Excluding products conforming to the Standard for Cream and Prepared Creams (reconstituted cream, recombined cream, prepackaged liquid cream) (CODEX STAN 288-1976).
- Note 237 Excluding products conforming to the Standard for Processed Cereal-Based Foods for Infants and Young Children (CODEX STAN 74-1981).
- Note 238 GMP in foods corresponding to the Standard for Processed Cereal-Based Foods for Infants and Young Children (CODEX STAN 74-1981).
- Note 239 Excluding products conforming to the Standard for Canned Baby Foods (CODEX STAN 73-1981).
- Note 240 Within the limit for sodium listed in the Standard for Canned Baby Foods (CODEX STAN 73-1981).
- Note 241 For use as acidity regulator and raising agent.
- Note 242 For use as an antioxidant.
- Note 243 For use as a raising agent in products conforming to the Standard for Processed Cereal-based Foods for Infants and Young Children (CODEX STAN 74-1981) and as an acidity regulator in products conforming to the Standard for Canned Baby Foods (CODEX STAN 73-1981).
- Note 244 For use in biscuit dough.
- Note 245 For use in pickled vegetables, except for use in perilla in brine at 780 mg/kg.
- Note 246 Singly or in combination: aluminium ammonium sulphate (INS 523) and sodium aluminium phosphates (acidic and basic; (INS 541(i),(ii)).
- Note 247 For use in kuzukiri and harusame only.
- Note 248 For use as a raising agent.
- Note 249 For use as a raising agent in mixes for steamed breads and buns.
- Note 250 For use in boiled mollusks and tsukudani only.
- Note 251 For use in processed American cheese only.
- Note 252 For use in self-rising flour and self-rising corn meal only.
- Note 253 For use in dry mix hot chocolate only.
- Note 254 For use in salt applied to dry salted cheeses during manufacturing only.
- Note 255 For use at 1,700 mg/kg in seasonings applied to foods in food category 15.1.
- Note 256 For use in noodles, gluten-free pasta and pasta intended for hypoproteic diets only.
- Note 257 For use in shrimps and prawns only.
- Note 258 Except for use in maple syrup.
- Note 259 Singly or in combination: sodium aluminosilicate (INS 554) and calcium aluminium silicate (INS 556).
- Note 260 For use in powdered beverage whiteners only.
- Note 261 For use in heat-treated buttermilk only.
- Note 262 For use in edible fungi and fungus products.
- Note 263 20,000 mg/kg in pickled fungi.
- Note 264 Citric acid (INS 330) and Lactic acid (INS 270) 5,000 mg/kg singly or in combination in sterilized fungi.
- Note 265 For use in quick frozen French fried potatoes as a sequestrant.
- Note 266 Not for use in salted Atlantic herring and sprat.
- Note 267 Excluding products conforming to the Standard for Salted Fish and Dried Salted Fish of the Gadidae Family of Fishes (CODEX STAN 167-1989), the Standard for Dried Shark Fins (CODEX STAN 189-1993), the Standard for Crackers from Marine and Freshwater Fish, Crustaceans and Molluscan Shellfish (CODEX STAN 222-2001), and the Standard for Boiled Dried Salted Anchovies (CODEX STAN 236-2003).
- Note 301 Interim maximum level.

## CODEX GENERAL STANDARD FOR FOOD ADDITIVES

### TABLE THREE

#### Additives Permitted for Use in Food in General, Unless Otherwise Specified, in Accordance with GMP

INS No	Additive	Functional Class	Year Adopted
260	Acetic acid, glacial	Acidity regulator, Preservative	1999
472a	Acetic and fatty acid esters of glycerol	Emulsifier, Sequestrant, Stabilizer	1999
1422	Acetylated distarch adipate	Emulsifier, Stabilizer, Thickener	1999
1414	Acetylated distarch phosphate	Emulsifier, Stabilizer, Thickener	1999
1451	Acetylated oxidized starch	Emulsifier, Stabilizer, Thickener	2005
1401	Acid-treated starch	Emulsifier, Stabilizer, Thickener	1999
406	Agar	Bulking agent, Carrier, Emulsifier, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener	1999
400	Alginic acid	Bulking agent, Carrier, Emulsifier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener	1999
1402	Alkaline treated starch	Emulsifier, Stabilizer, Thickener	1999
1100	alpha-Amylase from <i>Aspergillus oryzae</i> var.	Flour treatment agent	1999
1100	alpha-Amylase from <i>Bacillus licheniformis</i> (Carbohydrase)	Flour treatment agent	1999
1100	alpha-Amylase from <i>Bacillus megaterium</i> expressed in <i>Bacillus subtilis</i>	Flour treatment agent	1999
1100	alpha-Amylase from <i>Bacillus stearothermophilus</i>	Flour treatment agent	1999
1100	alpha-Amylase from <i>Bacillus stearothermophilus</i> expressed in <i>Bacillus subtilis</i>	Flour treatment agent	1999
1100	alpha-Amylase from <i>Bacillus subtilis</i>	Flour treatment agent	1999
264	Ammonium acetate	Acidity regulator	1999

Table Three

<b>INS No</b>	<b>Additive</b>	<b>Functional Class</b>	<b>Year Adopted</b>
403	Ammonium alginate	Bulking agent, Carrier, Emulsifier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener	1999
503(i)	Ammonium carbonate	Acidity regulator, Raising agent	1999
510	Ammonium chloride	Flour treatment agent	1999
503(ii)	Ammonium hydrogen carbonate	Acidity regulator, Raising agent	1999
527	Ammonium hydroxide	Acidity regulator	1999
328	Ammonium lactate	Acidity regulator, Flour treatment agent	1999
300	Ascorbic acid, L-	Acidity regulator, Antioxidant, Flour treatment agent	1999
162	Beet red	Colour	1999
1403	Bleached starch	Emulsifier, Stabilizer, Thickener	1999
1101(iii)	Bromelain	Flavour enhancer, Flour treatment agent, Stabilizer	1999
629	Calcium 5'-guanylate	Flavour enhancer	1999
633	Calcium 5'-inosinate	Flavour enhancer	1999
634	Calcium 5'-ribonucleotides	Flavour enhancer	1999
263	Calcium acetate	Acidity regulator, Preservative, Stabilizer	1999
404	Calcium alginate	Antifoaming agent, Bulking agent, Carrier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener	1999
302	Calcium ascorbate	Antioxidant	1999
170(i)	Calcium carbonate	Acidity regulator, Anticaking agent, Colour, Firming agent, Flour treatment agent, Stabilizer	1999
509	Calcium chloride	Firming agent, Stabilizer, Thickener	1999
623	Calcium di-L-glutamate	Flavour enhancer	1999
578	Calcium gluconate	Acidity regulator, Firming agent, Sequestrant	1999
526	Calcium hydroxide	Acidity regulator, Firming agent	1999
327	Calcium lactate	Acidity regulator, Firming agent, Flour treatment agent	1999
352(ii)	Calcium malate, DL-	Acidity regulator	1999
529	Calcium oxide	Acidity regulator, Flour treatment agent	1999
282	Calcium propionate	Preservative	1999
552	Calcium silicate	Anticaking agent	1999
516	Calcium sulfate	Acidity regulator, Firming agent, Flour treatment agent, Sequestrant, Stabilizer	1999

Table Three

<b>INS No</b>	<b>Additive</b>	<b>Functional Class</b>	<b>Year Adopted</b>
150a	Caramel I – plain caramel	Colour	1999
290	Carbon dioxide	Carbonating agent, Packaging gas, Preservative, Propellant	1999
410	Carob bean gum	Emulsifier, Stabilizer, Thickener	1999
407	Carrageenan	Bulking agent, Carrier, Emulsifier, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener	1999
427	Cassia gum	Emulsifier, Gelling agent, Stabilizer, Thickener	2012
140	Chlorophylls	Colour	1999
1001	Choline salts and esters	Emulsifier	1999
330	Citric acid	Acidity regulator, Antioxidant, Colour retention agent, Sequestrant	1999
472c	Citric and fatty acid esters of glycerol	Antioxidant, Emulsifier, Flour treatment agent, Sequestrant, Stabilizer	1999
468	Cross-linked sodium carboxymethyl cellulose (Cross-linked-cellulose gum)	Stabilizer, Thickener	2005
424	Curdlan	Firming agent, Gelling agent, Stabilizer, Thickener	2001
457	Cyclodextrin, alpha-	Stabilizer, Thickener	2005
458	Cyclodextrin, gamma-	Stabilizer, Thickener	2001
1400	Dextrins, roasted starch	Carrier, Emulsifier, Stabilizer, Thickener	1999
628	Dipotassium 5'-guanylate	Flavour enhancer	1999
627	Disodium 5'-guanylate	Flavour enhancer	1999
631	Disodium 5'-inosinate	Flavour enhancer	1999
635	Disodium 5'-ribonucleotides	Flavour enhancer	1999
1412	Distarch phosphate	Emulsifier, Stabilizer, Thickener	1999
315	Erythorbic Acid (Isoascorbic acid)	Antioxidant	1999
968	Erythritol	Flavour enhancer, Humectant, Sweetener	2001
462	Ethyl cellulose	Bulking agent, Carrier, Glazing agent, Thickener	1999
467	Ethyl hydroxyethyl cellulose	Emulsifier, Stabilizer, Thickener	1999
297	Fumaric acid	Acidity regulator	1999
418	Gellan gum	Stabilizer, Thickener	1999
575	Glucono delta-lactone	Acidity regulator, Raising agent, Sequestrant	1999
1102	Glucose oxidase	Antioxidant	1999
620	Glutamic acid, L(+)-	Flavour enhancer	1999

Table Three

<b>INS No</b>	<b>Additive</b>	<b>Functional Class</b>	<b>Year Adopted</b>
422	Glycerol	Humectant, Thickener	1999
626	Guanylic acid, 5'-	Flavour enhancer	1999
412	Guar gum	Emulsifier, Stabilizer, Thickener	1999
414	Gum arabic (Acacia gum)	Bulking agent, Carrier, Emulsifier, Glazing agent, Stabilizer, Thickener	1999
507	Hydrochloric acid	Acidity regulator	1999
463	Hydroxypropyl cellulose	Emulsifier, Foaming agent, Glazing agent, Stabilizer, Thickener	1999
1442	Hydroxypropyl distarch phosphate	Emulsifier, Stabilizer, Thickener	1999
464	Hydroxypropyl methyl cellulose	Bulking agent, Emulsifier, Glazing agent, Stabilizer, Thickener	1999
1440	Hydroxypropyl starch	Emulsifier, Stabilizer, Thickener	1999
630	Inosinic acid, 5'-	Flavour enhancer	1999
953	Isomalt (Hydrogenated isomaltulose)	Anticaking agent, Bulking agent, Glazing agent, Stabilizer, Sweetener, Thickener	1999
416	Karaya gum	Emulsifier, Stabilizer, Thickener	1999
425	Konjac flour	Carrier, Emulsifier, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener	1999
270	Lactic acid, L-, D- and DL-	Acidity regulator	1999
472b	Lactic and fatty acid esters of glycerol	Emulsifier, Sequestrant, Stabilizer	1999
966	Lactitol	Emulsifier, Sweetener, Thickener	1999
322(i)	Lecithin	Antioxidant, Emulsifier	1999
1104	Lipases	Flavour enhancer	1999
160d(iii)	Lycopene, Blakeslea trispora	Colour	2012
160d(i)	Lycopene, synthetic	Colour	2012
160d(ii)	Lycopene, tomato	Colour	2012
504(i)	Magnesium carbonate	Acidity regulator, Anticaking agent, Colour retention agent	1999
511	Magnesium chloride	Colour retention agent, Firming agent, Stabilizer	1999
625	Magnesium di-L-glutamate	Flavour enhancer	1999
580	Magnesium gluconate	Acidity regulator, Firming agent, Flavour enhancer	1999
528	Magnesium hydroxide	Acidity regulator, Colour retention agent	1999
504(ii)	Magnesium hydroxide carbonate	Acidity regulator, Anticaking agent, Carrier, Colour retention agent	1999
329	Magnesium lactate, DL-	Acidity regulator, Flour treatment agent	1999

Table Three

<b>INS No</b>	<b>Additive</b>	<b>Functional Class</b>	<b>Year Adopted</b>
530	Magnesium oxide	Anticaking agent	1999
553(i)	Magnesium silicate, synthetic	Anticaking agent	1999
518	Magnesium sulfate	Firming agent, Flavour enhancer	2009
296	Malic acid, DL-	Acidity regulator	1999
965(i)	Maltitol	Bulking agent, Emulsifier, Humectant, Stabilizer, Sweetener, Thickener	1999
965(ii)	Maltitol syrup	Bulking agent, Emulsifier, Humectant, Stabilizer, Sweetener, Thickener	1999
421	Mannitol	Anticaking agent, Bulking agent, Humectant, Stabilizer, Sweetener, Thickener	1999
461	Methyl cellulose	Bulking agent, Emulsifier, Glazing agent, Stabilizer, Thickener	1999
465	Methyl ethyl cellulose	Emulsifier, Foaming agent, Stabilizer, Thickener	1999
460(i)	Microcrystalline cellulose (Cellulose gel)	Anticaking agent, Bulking agent, Carrier, Emulsifier, Foaming agent, Glazing agent, Stabilizer, Thickener	1999
471	Mono- and di-glycerides of fatty acids	Antifoaming agent, Emulsifier, Stabilizer	1999
624	Monoammonium L-glutamate	Flavour enhancer	1999
622	Monopotassium L-glutamate	Flavour enhancer	1999
621	Monosodium L-glutamate	Flavour enhancer	1999
1410	Monostarch phosphate	Emulsifier, Stabilizer, Thickener	1999
941	Nitrogen	Packaging gas, Propellant	1999
942	Nitrous oxide	Antioxidant, Foaming agent, Packaging gas, Propellant	1999
1404	Oxidized starch	Emulsifier, Stabilizer, Thickener	1999
1101(ii)	Papain	Flavour enhancer	1999
440	Pectins	Emulsifier, Gelling agent, Stabilizer, Thickener	1999
1413	Phosphated distarch phosphate	Emulsifier, Stabilizer, Thickener	1999
1200	Polydextroses	Bulking agent, Glazing agent, Humectant, Stabilizer, Thickener	1999
964	Polyglycitol syrup	Sweetener	2001
1202	Polyvinylpyrrolidone, insoluble	Colour retention agent, Stabilizer	1999
632	Potassium 5'-inosinate	Flavour enhancer	1999
261	Potassium acetates	Acidity regulator, Preservative	1999
402	Potassium alginate	Bulking agent, Carrier, Emulsifier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener	1999

Table Three

<b>INS No</b>	<b>Additive</b>	<b>Functional Class</b>	<b>Year Adopted</b>
303	Potassium ascorbate	Antioxidant	1999
501(i)	Potassium carbonate	Acidity regulator, Stabilizer	1999
508	Potassium chloride	Flavour enhancer, Stabilizer, Thickener	1999
332(i)	Potassium dihydrogen citrate	Acidity regulator, Sequestrant, Stabilizer	1999
577	Potassium gluconate	Acidity regulator, Sequestrant	1999
501(ii)	Potassium hydrogen carbonate	Acidity regulator, Raising agent, Stabilizer	1999
351(i)	Potassium hydrogen malate	Acidity regulator	1999
525	Potassium hydroxide	Acidity regulator	1999
326	Potassium lactate	Acidity regulator, Antioxidant, Emulsifier, Humectant	1999
351(ii)	Potassium malate	Acidity regulator	1999
283	Potassium propionate	Preservative	1999
515(i)	Potassium sulfate	Acidity regulator	1999
460(ii)	Powdered cellulose	Anticaking agent, Bulking agent, Emulsifier, Glazing agent, Humectant, Stabilizer, Thickener	1999
407a	Processed eucheuma seaweed (PES)	Bulking agent, Carrier, Emulsifier, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener	2001
944	Propane	Propellant	1999
280	Propionic acid	Preservative	1999
1101(i)	Protease	Flavour enhancer, Flour treatment agent, Stabilizer	1999
1204	Pullulan	Glazing agent, Thickener	2009
470(i)	Salts of myristic, palmitic and stearic acids with ammonia, calcium, potassium and sodium	Anticaking agent, Emulsifier, Stabilizer	1999
470(ii)	Salts of oleic acid with calcium, potassium and sodium	Anticaking agent, Emulsifier, Stabilizer	1999
551	Silicon dioxide, amorphous	Anticaking agent, Antifoaming agent, Carrier	1999
262(i)	Sodium acetate	Acidity regulator, Preservative, Sequestrant	1999
401	Sodium alginate	Bulking agent, Carrier, Emulsifier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener	1999
301	Sodium ascorbate	Antioxidant	1999
500(i)	Sodium carbonate	Acidity regulator, Anticaking agent, Raising agent	1999
466	Sodium carboxymethyl cellulose (Cellulose gum)	Bulking agent, Emulsifier, Firming agent, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener	1999



Table Three

<b>INS No</b>	<b>Additive</b>	<b>Functional Class</b>	<b>Year Adopted</b>
469	Sodium carboxymethyl cellulose, enzymatically hydrolysed (Cellulose gum, enzymatically hydrolyzed)	Stabilizer, Thickener	2001
331(i)	Sodium dihydrogen citrate	Acidity regulator, Emulsifier, Sequestrant, Stabilizer	1999
350(ii)	Sodium DL-malate	Acidity regulator, Humectant	1999
316	Sodium erythorbate (Sodium isoascorbate)	Antioxidant	1999
365	Sodium fumarates	Acidity regulator	1999
576	Sodium gluconate	Sequestrant, Stabilizer, Thickener	1999
500(ii)	Sodium hydrogen carbonate	Acidity regulator, Anticaking agent, Raising agent	1999
350(i)	Sodium hydrogen DL-malate	Acidity regulator, Humectant	1999
514(ii)	Sodium hydrogen sulfate	Acidity regulator	2012
524	Sodium hydroxide	Acidity regulator	1999
325	Sodium lactate	Acidity regulator, Antioxidant, Bulking agent, Emulsifier, Humectant, Thickener	1999
281	Sodium propionate	Preservative	1999
500(iii)	Sodium sesquicarbonate	Acidity regulator, Anticaking agent, Raising agent	1999
514(i)	Sodium sulfate	Acidity regulator	2001
420(i)	Sorbitol	Bulking agent, Humectant, Sequestrant, Stabilizer, Sweetener, Thickener	1999
420(ii)	Sorbitol syrup	Bulking agent, Humectant, Sequestrant, Stabilizer, Sweetener, Thickener	1999
1420	Starch acetate	Emulsifier, Stabilizer, Thickener	1999
1450	Starch sodium octenyl succinate	Emulsifier, Stabilizer, Thickener	1999
1405	Starches, enzyme treated	Emulsifier, Stabilizer, Thickener	1999
553(iii)	Talc	Anticaking agent, Glazing agent, Thickener	1999
417	Tara gum	Gelling agent, Stabilizer, Thickener	1999
957	Thaumatococcus	Flavour enhancer, Sweetener	1999
171	Titanium dioxide	Colour	1999
413	Tragacanth gum	Emulsifier, Stabilizer, Thickener	1999
1518	Triacetin	Carrier, Emulsifier, Humectant	1999
380	Triammonium citrate	Acidity regulator	1999
333(iii)	Tricalcium citrate	Acidity regulator, Firming agent, Sequestrant, Stabilizer	1999
332(ii)	Tripotassium citrate	Acidity regulator, Sequestrant, Stabilizer	1999

Table Three

<b>INS No</b>	<b>Additive</b>	<b>Functional Class</b>	<b>Year Adopted</b>
331(iii)	Trisodium citrate	Acidity regulator, Emulsifier, Sequestrant, Stabilizer	1999
415	Xanthan gum	Emulsifier, Foaming agent, Stabilizer, Thickener	1999
967	Xylitol	Emulsifier, Humectant, Stabilizer, Sweetener, Thickener	1999

**ANNEX TO TABLE THREE****Food Categories or Individual Food Items Excluded from the General Conditions of Table Three**

The use of additives listed in Table Three in the following foods is governed by the provisions in Tables One and Two.

<b>Category Number</b>	<b>Food Category</b>
01.1.1	Milk and buttermilk (plain) ( <b>EXCLUDING HEAT-TREATED BUTTERMILK</b> )
01.2	Fermented and renneted milk products (plain) excluding food category 01.1.2 (dairy based drinks) <sup>1</sup>
01.4.1	Pasteurized cream (plain)
01.4.2	Sterilized and UHT creams, whipping or whipped creams, and reduced fat creams (plain)
01.6.3	Whey Cheese
01.6.6	Whey protein cheese
01.8.2	Dried whey and whey products, excluding whey cheese
02.1	Fats and oils essentially free from water
02.2.1	Butter
04.1.1	Fresh fruit
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3
06.1	Whole, broken or flaked grain, including rice
06.2	Flours and starches (including soybean powder)
06.4.1	Fresh pastas and noodles and like products
06.4.2	Dried pastas and noodles and like products
08.1	Fresh meat, poultry, and game
09.1	Fresh fish and fish products, including molluscs, crustaceans and echinoderms
09.2	Processed fish and fish products, including molluscs, crustaceans and echinoderms
10.1	Fresh eggs
10.2.1	Liquid egg products
10.2.2	Frozen egg products
11.1	Refined and raw sugars
11.2	Brown sugar, excluding products of food category 11.1.3 (soft white sugar, soft brown sugar, glucose syrup, dried glucose syrup, raw cane sugar)
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3 (soft white sugar, soft brown sugar, glucose syrup, dried glucose syrup, raw cane sugar)
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)
11.5	Honey
12.1	Salt and salt substitutes
12.2.1	Herbs and spices ( <b>ONLY HERBS</b> )
13.1	Infant formulae, follow-up formulae, and formulae for special medical purposes for infants
13.2	Complementary foods for infants and young children
14.1.1	Waters
14.1.2	Fruit and vegetable juices

<sup>1</sup> Acidity regulators, packaging gases, stabilizers and thickeners listed in Table 3 are acceptable for use in fermented milks, heat treated after fermentation, as defined in the Codex *Standard for Fermented Milks* (CODEX STAN 243-2004) that correspond to food category 01.2.1.2 “Fermented milks (plain), heat treated after fermentation”.

- 14.1.3 Fruit and vegetable nectars
- 14.1.5 Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal beverages, excluding cocoa
- 14.2.3 Grape wines