



Perfect Supplements, LLC  
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<b>Product Name:</b>	Organic Perfect Chlorella Powder
<b>Species:</b>	<i>Chlorella vulgaris</i>
<b>Plant Part:</b>	Whole cracked cell
<b>Country of Origin:</b>	INDIA

Parameters	Specification	Test Method/Reference
<b>Description</b>		
Appearance	Green to dark Green Powder	Visual
Odor & Taste	Mild	Organoleptic test
<b>Physical and Chemical Analysis</b>		
Protein (%)*	NLT 55.0	Nitrogen Determination USP <461>
Loss on Drying (%)	2.5 - 7.0	Loss on Drying USP <731>
Total Ash (%)	6.0 – 12.0	Total Ash <561>
Bulk Density (g/ml)	0.40 – 0.80	Tapped density & Bulk density USP <616> - Method -II
Light Filth (/50g)	NMT 0.5	Richard Gorham. J. (1977). Training manual for Analytical Entomology in the food industry. FDA Tech. Bulletin No: 2
Limit of Microcystin (mcg/mg)	NMT 0.5	Spirulina Powder Monograph [USP 38-NF 33 28]
<b>Pigment Analysis</b>		
Total Carotenoids (%)	NLT 0.400	In house method for Spectrophotometer
Total Chlorophylls (%)*	NLT 1.75	In house method for Spectrophotometer
Total Pheophorbides (mg/100g)*	NMT 80.0	A.) Test method for Spirulina by JHFA, Environmental Food Number 99 (1981) B.) Seward R. Brown. Absorption Coefficients of Chlorophyll Derivatives. J. Fish. Res. BdCanada 25(3) 523-540, 1968
Existing Pheophorbides (mg/100g)*	NMT 60.0	

<b>Microbial Analysis</b>		
Standard Plate Count (cfu/g)	NMT 100000	Spirulina Tablet Monograph [USP 38- NF 33 28] 1. Microbial Enumeration tests
Yeast and Mold (cfa/g)	NMT 100	
Bile Tolerant Gram-Negative Bacteria (cfu/g)	NMT 100	
E.coli (/10 g)	NEGATIVE	
Salmonella (/10g)	NEGATIVE	
Staphylococcus (/10g)	NEGATIVE	
<b>Elemental Contaminants &amp; Pesticides Analysis**</b>		
Lead (mcg/g)	NMT 0.50	By ICP -MS. Official methods of analysis of AOAC International, 18 <sup>th</sup> Edition
Arsenic (mcg/g)	NMT 1.0	
Cadmium (mcg/g)	NMT 0.50	
Mercury (mcg/g)	NMT 0.025	
Pesticides	Complies as per USP Specs	By GC -MS. Official methods of Analysis of AOAC International, 18 <sup>th</sup> Edition

\*Results on dry basis.

\*\* Not analyzed for every batch. Results are based on the periodical analysis as per our quality plan.

<ul style="list-style-type: none"> <li>☛ Free from PESTICIDES, HERBICIDES, GMO &amp; ADDITIVES</li> <li>☛ Certified Organic as per USDA NOP, Ecocert, and EU</li> </ul>	<p><b><u>Shelf Life:</u></b> With in 24 months from the month of manufacture under proper storage condition</p> <p><b><u>Storage:</u></b> 1.Store in a cool and dry place 2.Do not leave in open condition to avoid external contaminations</p>
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