

(19)
(12)

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(11)
(24)

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(21) 10 - 2000 - 0029063
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(43) 2001 12 07

(73) 2 1251 - 6

(72) 175 - 7

656 - 9

1345 - 2 306 204

299 114 101

809 1107

(74)
:

(54)

, HCl, HNO₃, NH₄Cl

, NH₄Cl

가 , DMG

, HCl, HNO₃, NH₄Cl

(Pt), (Pd) (Rh) (platinum group metals: PGM) 가 ,
 , 200 , 90% , 가 6
 % , , , .

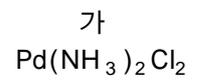
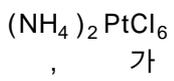
가

가

가

가

가



oxime: DMG)

DMG

(dimethylgl

- DMG

가

, NH₄OH가

98 - 63493

HCl HNO₃ , NH₄Cl

NH₄Cl 0.4 20

% HCl 5 36 % HNO₃ 1 24 % NH₄Cl 0.5 15 %

NH₄Cl 가 0.4 %

20 % 가 HCl 5 % NH₄Cl 가

HNO₃ , 36 % 가 HNO₃ 1

% 가 가 , HNO₃ 24 %

가 NH₄Cl 0.5 % NOx가

15 % 가

NH₄Cl 60 100

X - (XRF), (AAS), (

Inductively Coupled Plasma Emission Spectrometry: ICPS) 가 ,

가 , DMG

42g , 가 1

NH₄Cl () (AAS)

1

[1]

Pd	HCl	HNO ₃	NH ₄ Cl	(ppm)	PGM		Pd (%)	()
					Pt	Rh		
0.4 %	15 %	0.5 %	0.1 %	3,591	1.2 %	2.1 %	84.5	100

[2]

Pd	HCl	HNO ₃	NH ₄ Cl	(ppm)	PGM		Pd (%)	()
					Pt	Rh		
0.96 %	16 %	10 %	2.5 %	14	0.76 %	0.96 %	98.2	100
10.0 %	20 %	24 %	11 %	10	0.12 %	0.65 %	99.3	100

(57)

1.

HCl HNO₃ NH₄Cl
 HCl HNO₃ NH₄Cl
 %, NH₄Cl 0.5 15 % 0.4 20 %, HCl 5 36 %, HNO₃ 1 24

2.

3.

1 2 , NH₄Cl 60 100