

# Product Specification

Standard number : PG-006  
Issue number : ABJ21  
Code number : 27001045

Name : Nitric acid (1.38)

(Other name : )  
Grade : P G  
Volume : 5 0 0 m L

3-2-12 UCHIHIRANOMACHI, CHUO-KU,  
OSAKA 540-0037, JAPAN

HAYASHI PURE CHEMICAL IND.,LTD.

No.	Item	(unit)	Specification	Test Procedure
1	Appearance (Form)	-	Liquid	Visual method
2	(Hue) (APHA)	-	max. 1 0	Visual method
3	Assay (HNO <sub>3</sub> )	%	6 0 . 0 ~ 6 2 . 0	Titrimetry
4	Residue on ignition (sulfate)	ppm	max. 2	Weighting method
5	Chloride (Cl)	ppm	max. 0 . 1	Turbidimetry
6	Sulfate (SO <sub>4</sub> )	ppb	max. 5 0	Turbidimetry
7	Phosphate (PO <sub>4</sub> )	ppb	max. 5 0	Colorimetry
8	Aluminium (Al)	ppb	max. 2 0	ICP-MS
9	Arsenic (As)	ppb	max. 1	ICP-MS
10	Barium (Ba)	ppb	max. 5	ICP-MS
11	Calcium (Ca)	ppb	max. 1 0 0	ICP-MS
12	Cadmium (Cd)	ppb	max. 1	ICP-MS
13	Cobalt (Co)	ppb	max. 5	ICP-MS
14	Chromium (Cr)	ppb	max. 2	ICP-MS
15	Copper (Cu)	ppb	max. 5	ICP-MS
16	Iron (Fe)	ppb	max. 3 0	ICP-MS
17	Mercury (Hg)	ppb	max. 0 . 5	AAS reducing vaporization method
18	Manganese (Mn)	ppb	max. 1 0	ICP-MS
19	Nickel (Ni)	ppb	max. 5	ICP-MS
20	Lead (Pb)	ppb	max. 5	ICP-MS
21	Strontium (Sr)	ppb	max. 1 0	ICP-MS
22	Zinc (Zn)	ppb	max. 1 0	ICP-MS
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