

# Product Specification

Standard number : EL-017-18

Issue number : CBJ21

Code number : 51045165

Name : Nitric acid(1.42)

(Other name : )

Grade : UP

Volume : 500 mL

3-2-12 UCHIHIRANOMACHI, CHUO-KU,

OSAKA 540-0037, JAPAN

HAYASHI PURE CHEMICAL IND.,LTD.

No.	Item	(unit)	Specification	Test Procedure
1	Assay	%	69 ~ 70	Titration method
2	Appearance (APHA)	-	≦ 5	Visual method
3	Residue on ignition	ppm	≦ 1	Weighting method
4	Chloride (Cl)	ppm	≦ 0.05	Ion Chromatography
5	Sulfate (SO <sub>4</sub> )	ppm	≦ 0.05	Ion Chromatography
6	Phosphate (PO <sub>4</sub> )	ppm	≦ 0.05	Ion Chromatography
7	Silver (Ag)	ppb	≦ 0.5	ICP-MS
8	Aluminum (Al)	ppb	≦ 1	ICP-MS
9	Arsenic (As)	ppb	≦ 0.5	ICP-MS
10	Gold (Au)	ppb	≦ 0.5	ICP-MS
11	Barium (Ba)	ppb	≦ 0.5	ICP-MS
12	Beryllium (Be)	ppb	≦ 1	ICP-MS
13	Bismuth (Bi)	ppb	≦ 1	ICP-MS
14	Calcium (Ca)	ppb	≦ 1	ICP-MS
15	Cadmium (Cd)	ppb	≦ 0.5	ICP-MS
16	Cobalt (Co)	ppb	≦ 0.5	ICP-MS
17	Chromium (Cr)	ppb	≦ 0.5	ICP-MS
18	Copper (Cu)	ppb	≦ 0.5	ICP-MS
19	Iron (Fe)	ppb	≦ 1	ICP-MS
20	Gallium (Ga)	ppb	≦ 0.5	ICP-MS
21	Germanium (Ge)	ppb	≦ 0.5	ICP-MS
22	Indium (In)	ppb	≦ 1	ICP-MS
23	Potassium (K)	ppb	≦ 0.5	ICP-MS
24	Lithium (Li)	ppb	≦ 0.5	ICP-MS
25	Magnesium (Mg)	ppb	≦ 0.5	ICP-MS
26	Manganese (Mn)	ppb	≦ 0.5	ICP-MS
27	Molybdenum (Mo)	ppb	≦ 0.5	ICP-MS
28	Sodium (Na)	ppb	≦ 1	ICP-MS
29	Niobium (Nb)	ppb	≦ 1	ICP-MS
30	Nickel (Ni)	ppb	≦ 0.5	ICP-MS
31	Lead (Pb)	ppb	≦ 0.5	ICP-MS
32	Platinum (Pt)	ppb	≦ 1	ICP-MS
33	Antimony (Sb)	ppb	≦ 0.5	ICP-MS
34	Silicon (Si)	ppb	≦ 5	ICP-AES
35	Tin (Sn)	ppb	≦ 0.5	ICP-MS
36	Strontium (Sr)	ppb	≦ 0.5	ICP-MS
37	Tantalum (Ta)	ppb	≦ 1	ICP-MS
38	Titanium (Ti)	ppb	≦ 0.5	ICP-MS
39	Thallium (Tl)	ppb	≦ 1	ICP-MS
40	Vanadium (V)	ppb	≦ 0.5	ICP-MS
41	Zinc (Zn)	ppb	≦ 1	ICP-MS
42	Zirconium (Zr)	ppb	≦ 0.5	ICP-MS

remark