

Certificate of Analysis

Product Name	Nitric acid TracepurA (For trace metal analysis) 500ML	Batch No	54913C919ER
SAP Code	61030LM500	IR No	54913C9
Grade	TracepurA (For Trace Metal Analysis)	QC Ref. No	45638
CASR No.	7697-37-2	Manufacture Date	May 2018
Molecular Formula	HNO ₃	Expiry Date	April 2020
Molecular Weight	63.01		

SR.NO.	TEST	RESULT	SPECIFICATION
1	Description	Colourless clear liquid with a corrosive vapour.	Colourless clear liquid with a corrosive vapour.
2	Solubility	Passes	Miscible with water.
3	Assay	69.67%	67 - 70%
4	Aluminium (Al)	NMT 1ppb	1ppb max
5	Antimony(Sb)	NMT 0.5ppb	0.5ppb max
6	Arsenic (As)	NMT 0.5ppb	0.5ppb max
7	Barium(Ba)	NMT 0.2ppb	0.2ppb max
8	Beryllium (Be)	NMT 0.1ppb	0.1ppb max
9	Bismuth(Bi)	NMT 0.1ppb	0.1ppb max
10	Boron (B)	NMT 1ppb	1ppb max
11	Cadmium(Cd)	NMT 0.5ppb	0.5ppb max
12	Calcium (Ca)	NMT 1ppb	1ppb max
13	Cerium(Ce)	NMT 0.1ppb	0.1ppb max
14	Cesium (Cs)	NMT 0.1ppb	0.1ppb max
15	Chromium(Cr)	NMT 1ppb	1ppb max
16	Cobalt(Co)	NMT 0.5ppb	0.5ppb max
17	Copper (Cu)	NMT 0.5ppb	0.5ppb max
18	Dysprosium (Dy)	NMT 0.1ppb	0.1ppb max
19	Erbium (Er)	NMT 0.1ppb	0.1ppb max
20	Europium (Eu)	NMT 0.1ppb	0.1ppb max
21	Gadolinium (Gd)	NMT 0.1ppb	0.1ppb max
22	Gallium (Ga)	NMT 0.1ppb	0.1ppb max
23	Germanium (Ge)	NMT 0.1ppb	0.1ppb max
24	Gold (Au)	NMT 0.1ppb	0.1ppb max
25	Hafnium (Hf)	NMT 0.1ppb	0.1ppb max
26	Holmium (Ho)	NMT 0.1ppb	0.1ppb max
27	Indium (In)	NMT 0.1ppb	0.1ppb max
28	Iron (Fe)	NMT 1ppb	1ppb max
29	Lanthanum (La)	NMT 0.1ppb	0.1ppb max
30	Lead (Pb)	NMT 0.2ppb	0.2ppb max
31	Lithium(Li)	NMT 0.3ppb	0.3ppb max
32	Lutetium (Lu)	NMT 0.1ppb	0.1ppb max
33	Magnesium (Mg)	NMT 1ppb	1ppb max
34	Manganese (Mn)	NMT 0.3ppb	0.3ppb max
35	Mercury(Hg)	NMT 0.1ppb	0.1ppb max
36	Molybdenum (Mo)	NMT 0.3ppb	0.3ppb max
37	Neodymium (Nd)	NMT 0.1ppb	0.1ppb max
38	Nickel (Ni)	NMT 0.5ppb	0.5ppb max
39	Niobium (Nb)	NMT 0.1ppb	0.1ppb max
40	Palladium(Pd)	NMT 0.5ppb	0.5ppb max
41	Platinum(Pt)	NMT 0.5ppb	0.5ppb max
42	Potassium (K)	NMT 1ppb	1ppb max

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Molecular Formula	HNO3	Expiry Date	April 2020
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43	Praseodymium (Pr)	NMT 0.1ppb	0.1ppb max
44	Rhenium (Re)	NMT 0.1ppb	0.1ppb max
45	Rhodium (Rh)	NMT 0.5ppb	0.5ppb max
46	Rubidium (Rb)	NMT 0.1ppb	0.1ppb max
47	Ruthenium (Ru)	NMT 0.5ppb	0.5ppb max
48	Samarium (Sm)	NMT 0.1ppb	0.1ppb max
49	Scandium (Sc)	NMT 0.1ppb	0.1ppb max
50	Selenium (Se)	NMT 1ppb	1ppb max
51	Silver (Ag)	NMT 0.1ppb	0.1ppb max
52	Sodium (Na)	NMT 1ppb	1ppb max
53	Strontium(Sr)	NMT 0.3ppb	0.3ppb max
54	Tantalum (Ta)	NMT 0.1ppb	0.1ppb max
55	Tellurium (Te)	NMT 0.1ppb	0.1ppb max
56	Terbium (Tb)	NMT 0.1ppb	0.1ppb max
57	Thallium (Tl)	NMT 0.1ppb	0.1ppb max
58	Thorium (Th)	NMT 0.1ppb	0.1ppb max
59	Thulium (Tm)	NMT 0.1ppb	0.1ppb max
60	Tin (Sn)	NMT 0.5ppb	0.5ppb max
61	Titanium(Ti)	NMT 0.5ppb	0.5ppb max
62	Tungsten (W)	NMT 0.1ppb	0.1ppb max
63	Uranium (U)	NMT 0.1ppb	0.1ppb max
64	Vanadium (V)	NMT 0.5ppb	0.5ppb max
65	Ytterbium (Yb)	NMT 0.1ppb	0.1ppb max
66	Yttrium (Y)	NMT 0.1ppb	0.1ppb max
67	Zinc (Zn)	NMT 0.5ppb	0.5ppb max
68	Zirconium (Zr)	NMT 0.1ppb	0.1ppb max
69	Total Phosphorus (P)	NMT 0.1ppb	0.1ppb max
70	Total sulphur (S)	NMT 0.1ppb	0.1ppb max
71	Chloride (Cl)	NMT 0.2ppb	0.2ppb max

Remarks : THE CAPTIONED BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY OF THE ABOVE SPECIFICATION.

FINAR provides this analytical report in good faith and to the best of its knowledge. It should not be substituted for the users own raw material quality control.

Tested By
(Chemist - Quality Control)

Approved By
(Head - Quality Control)

Computer Generated Report - Does not require Signature.