

CERTIFICATE OF ANALYSIS

PRODUCT NAME : NITRIC ACID 69.5% FOR TRACE METAL ANALYSIS

CAS No : 7697-37-2
Mol. Formula : HNO₃
Mol. WT : 63.01
Date of analysis : 06/10/23

Product code : 24442
Batch No : MCR-29444
Mfd. : Oct. 2023
Exp. : Sept. 2028

S.R	Test	Specification	Observation
1	Description	A clear colourless fuming liquid.	A clear colourless fuming liquid.
2	Assay (acidimetric)	69.1 - 69.9%	69.62%
3	Colour scale	10 APHA max.	< 10 APHA
4	Density (at 20°C)	1.408 – 1.416 g/mL	1.410 g/mL
5	Sulphate (SO ₄)	100 ppb max.	< 100 ppb
6	Chloride (Cl)	100 ppb max.	< 100 ppb
7	Phosphate (PO ₄)	500 ppb max.	< 500 ppb
8	Silicate (Si)	1000 ppb max.	< 1000 ppb
9	Sulphated Ash	4000 ppb max.	< 4000 ppb
10	Aluminium (Al)	50 ppb max.	< 50 ppb
11	Arsenic (As)	5 ppb max.	< 5 ppb
12	Barium (Ba)	100 ppb max.	< 100 ppb
13	Beryllium (Be)	20 ppb max.	< 20 ppb
14	Bismuth (Bi)	100 ppb max.	< 100 ppb
15	Cadmium (Cd)	5 ppb max.	< 5 ppb
16	Calcium (Ca)	5000 ppb max.	< 5000 ppb
17	Chromium (Cr)	100 ppb max.	< 100 ppb
18	Cobalt (Co)	10 ppb max.	< 10 ppb
19	Copper (Cu)	10 ppb max.	< 10 ppb
20	Heavy metal (as Pb)	200 ppb max.	< 200 ppb

MOLYCHEM H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

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Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

21	Iron (Fe)	20 ppb max.	< 20 ppb
22	Lead (Pb)	20 ppb max.	< 20 ppb
23	Lithium (Li)	20 ppb max.	< 20 ppb
24	Manganese (Mn)	10 ppb max.	< 10 ppb
25	Magnesium (Mg)	100 ppb max.	< 100 ppb
26	Molybdenum (Mo)	20 ppb max.	< 20 ppb
27	Nickel (Ni)	50 ppb max.	< 50 ppb
28	Potassium (K)	100 ppb max.	< 100 ppb
29	Silver (Ag)	20 ppb max.	< 20 ppb
30	Sodium (Na)	500 ppb max.	< 500 ppb
31	Strontium (Sr)	20 ppb max.	< 20 ppb
32	Thallium (Tl)	50 ppb max.	< 50 ppb
33	Titanium (Ti)	100 ppb max.	< 100 ppb
34	Vanadium (V)	50 ppb max.	< 50 ppb
35	Zinc (Zn)	10 ppb max.	< 10 ppb

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

**CHEMIST
(Jyoti)**

**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

Note: Computer generated image requires no sign.

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