

Certificate of Analysis

Product	Sulfuric acid 89%	Batch No.	: 21 04 0273
Grade	Electro Extra	Manufacturing date	: 30/04/2021
Code No.	EX1189	Best before	: 04/2022

Items	Descriptions	Specifications	Test Results
1	Assay (by acidimetry)	89.0 - 91.0%	90.7% (w/w)
2	Color (APHA)	3 max.	< 3
3	Residue after Ignition	3 ppm max.	< 3 ppm
4	Chloride (Cl)	0.05 ppm max.	< 0.05 ppm
5	Nitrate (NO ₃)	0.1 ppm max.	< 0.1 ppm
6	Phosphate (PO ₄)	0.1 ppm max.	< 0.1 ppm
7	Aluminium (Al)	0.02 ppm max.	< 0.02 ppm
8	Arsenic and Antimony (as As)	0.005 ppm max.	< 0.005 ppm
9	Barium (Ba)	0.01 ppm max.	< 0.01 ppm
10	Beryllium (Be)	0.01 ppm max.	< 0.01 ppm
11	Bismuth (Bi)	0.01 ppm max.	< 0.01 ppm
12	Boron (B)	0.01 ppm max.	< 0.01 ppm
13	Cadmium (Cd)	0.01 ppm max.	< 0.01 ppm
14	Calcium (Ca)	0.2 ppm max.	< 0.2 ppm
15	Chromium (Cr)	0.02 ppm max.	< 0.02 ppm
16	Cobalt (Co)	0.01 ppm max.	< 0.01 ppm
17	Copper (Cu)	0.01 ppm max.	< 0.01 ppm
18	Gallium (Ga)	0.01 ppm max.	< 0.01 ppm
19	Germanium (Ge)	0.05 ppm max.	< 0.05 ppm
20	Gold (Au)	0.05 ppm max.	< 0.05 ppm
21	Indium (In)	0.01 ppm max.	< 0.01 ppm
22	Iron (Fe)	0.1 ppm max.	< 0.1 ppm
23	Lead (Pb)	0.01 ppm max.	< 0.01 ppm
24	Lithium (Li)	0.01 ppm max.	< 0.01 ppm
25	Magnesium (Mg)	0.05 ppm max.	< 0.05 ppm
26	Manganese (Mn)	0.01 ppm max.	< 0.01 ppm
27	Molybdenum (Mo)	0.05 ppm max.	< 0.05 ppm
28	Nickel (Ni)	0.01 ppm max.	< 0.01 ppm
29	Platinum (Pt)	0.01 ppm max.	< 0.01 ppm
30	Potassium (K)	0.1 ppm max.	< 0.1 ppm
31	Silver (Ag)	0.01 ppm max.	< 0.01 ppm
32	Sodium (Na)	0.5 ppm max.	< 0.5 ppm
33	Strontium (Sr)	0.01 ppm max.	< 0.01 ppm
34	Thallium (Tl)	0.01 ppm max.	< 0.01 ppm
35	Tin (Sn)	0.01 ppm max.	< 0.01 ppm
36	Titanium (Ti)	0.1 ppm max.	< 0.1 ppm
37	Vanadium (V)	0.05 ppm max.	< 0.05 ppm
38	Zinc (Zn)	0.1 ppm max.	< 0.1 ppm
39	Zirconium (Zr)	0.05 ppm max.	< 0.05 ppm

This is to certify the above batch has been tested and complies with this specification.

Ladaphan

Chemist

Achan

Technical Manager