

Certificate of Analysis

Product	ortho-Phosphoric Acid 85%	Batch No.	: 21 05 0444
Grade	AR.	Manufacturing date	: 31/05/2021
Code No.	AR1152	Best before	: 05/2023

Items	Descriptions	Specifications	Test Results
1	Assay (by acidimetry)	85 - 86%	85.4% (w/w)
2	Appearance of solution	Clear	Clear
3	Color (APHA)	10 max.	< 10
4	Identity	Passes test	Passes test
5	Insoluble matter	10 ppm max.	< 10 ppm
6	Reducing substances	Passes test	Passes test
7	Volatile acids (as CH ₃ COOH)	10 ppm max.	< 10 ppm
8	Chloride (Cl)	2 ppm max.	< 2 ppm
9	Nitrate (NO ₃)	3 ppm max.	< 3 ppm
10	Sulfate (SO ₄)	20 ppm max.	< 20 ppm
11	Heavy metals (as Pb)	10 ppm max.	< 10 ppm
12	Antimony (Sb)	10 ppm max.	< 10 ppm
13	Arsenic (As)	0.5 ppm max.	< 0.5 ppm
14	Cadmium (Cd)	0.5 ppm max.	< 0.5 ppm
15	Calcium (Ca)	20 ppm max.	< 20 ppm
16	Cobalt (Co)	0.5 ppm max.	< 0.5 ppm
17	Copper (Cu)	0.5 ppm max.	< 0.5 ppm
18	Iron (Fe)	10 ppm max.	< 10 ppm
19	Lead (Pb)	0.5 ppm max.	< 0.5 ppm
20	Magnesium (Mg)	5 ppm max.	< 5 ppm
21	Manganese (Mn)	0.5 ppm max.	< 0.5 ppm
22	Nickel (Ni)	1 ppm max.	< 1 ppm
23	Potassium (K)	5 ppm max.	< 5 ppm
24	Sodium (Na)	50 ppm max.	< 50 ppm
25	Zinc (Zn)	2 ppm max.	< 2 ppm

Meet A.C.S. Specifications.

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

Ladaphan.

Chemist

Achan.

Technical Manager