

CERTIFICATE OF ANALYSIS

PRODUCT NAME : ORTHOPHOSPHORIC ACID 88.0-93.0% AR

CAS No : 7664-38-2

Product code : 60221

Mol. Formula : H₃PO₄

Batch No. : MCR-33969

Mol. WT : 98.00

Mfd. : May 2025

Date of analysis : 13/05/25

Exp. : April 2030

S.R	Test	Specification	Observation
1	Description	A clear colourless viscous liquid.	A clear colourless viscous liquid.
2	Assay	88.0 - 93.0 % w/w min	88.13% w/w
3	Wt. per ml (at 20 ⁰ c)	1.70 - 1.76g	1.72 g
4	Chloride (Cl)	0.0005% max	< 0.0005%
5	Nitrate (NO ₃)	0.0005% max	< 0.0005%
6	Silicate (SiO ₂)	0.025% max	< 0.025%
7	Sulphate (SO ₄)	0.002% max	< 0.002%
8	Arsenic (As)	0.0001% max	< 0.0001%
9	Calcium (Ca)	0.004% max	< 0.004%
10	Copper (Cu)	0.0005% max	< 0.0005%
11	Iron (Fe)	0.0015% max	< 0.0015%
12	Lead (Pb)	0.001% max	< 0.001%
13	Magnesium (Mg)	0.004% max	< 0.004%
14	Manganese (Mn)	0.0005% max	< 0.0005%
15	Potassium (K)	0.005% max	< 0.005%
16	Sodium (Na)	0.05% max	< 0.05%
17	Substances reducing KMnO ₄	0.001% max	< 0.001%
18	Volatile acids (as CH ₃ COOH)	0.001% max	< 0.001%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Shruti)**



[QC Incharge]



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

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