



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : ORTHOPHOSPHORIC ACID AR 88.0-93.0%**

**CAS No : 7664-38-2**

**Mol. Formula :  $H_3PO_4$**

**Mol. WT : 98.00**

**Date of analysis : 16/04/23**

**Product code : 60221**

**Batch No. : MCR-28097**

**Mfd. : April 2023**

**Exp. : March 2028**

| 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              | 88.20% w/w                         |
| 3   | Wt. per ml (at 20°C)                     | 1.70 - 1.76g                       | 1.72 g                             |
| 4   | Chloride (Cl)                            | 0.0005% max                        | < 0.0005%                          |
| 5   | Nitrate (NO <sub>3</sub> )               | 0.0005% max                        | < 0.0005%                          |
| 6   | Silicate (SiO <sub>2</sub> )             | 0.025% max                         | < 0.025%                           |
| 7   | Sulphate (SO <sub>4</sub> )              | 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 <sub>4</sub>    | 0.001% max                         | < 0.001%                           |
| 18  | Volatile acids (as CH <sub>3</sub> COOH) | 0.001% max                         | < 0.001%                           |

**REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS**

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Sonu)**

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

**Note:** Computer generated image requires no sign.

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