

## Certificate of Analysis

Date of Testing: 2023-02-28 20:18:51  
Date of Next Testing: 2027-02-27 20:18:51  
Product Name: **Phosphoric acid**  
CAS Number: 7664-38-2  
Specifications & Purity: ACS, ≥85 wt. % in H<sub>2</sub>O  
Lot #: B2324611  
SKU #: **P112027**  
Analysis: **192691**

| Parameter                               | Limit Values    | Result     |
|-----------------------------------------|-----------------|------------|
| Antimony(Sb)                            | 0-0.002 (%)     | 0.00 %     |
| Volatile acids(as CH <sub>3</sub> COOH) | 0-0.001 (%)     | 0.00 %     |
| Iron(Fe)                                | 0-0.003 (ppm)   | 0.00 ppm   |
| Sodium(Na)                              | 0-0.025 (%)     | 0.02 %     |
| (As)Arsenic                             | 0-1 (ppm)       | 0.23 ppm   |
| Color scale                             | 0-10 (APHA)     | 8.00 APHA  |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-0.003 (%)     | 0.00 %     |
| Manganese(Mn)                           | 0-0.5 (ppm)     | 0.04 ppm   |
| Chloride (Cl <sup>-</sup> )             | 0-3 (ppm)       | 0.79 ppm   |
| Calcium(Ca)                             | 0-0.002 (µg/mg) | 0.00 µg/mg |
| Heavy metal (as Pb)                     | 0-0.001 (%)     | 0.00 %     |
| Magnesium(Mg)                           | 0-0.002 (%)     | 0.00 %     |
| Potassium(K)                            | 0-0.005 (%)     | 0.00 %     |
| Insoluble matter in H <sub>2</sub> O    | 0-0.001 (%)     | 0.00 %     |
| (NO <sub>3</sub> )Nitrate               | 0-5 (ppm)       | 2.50 ppm   |
| Assay                                   | 85-100 (%)      | 85.37 %    |
| Reducing Substances                     | pass            | Pass       |



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ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager