

## Certificate of Analysis

Date of Testing: 2023-03-20 09:59:37  
Date of Next Testing: 2027-03-19 09:59:37  
Product Name: **Phosphoric acid**  
CAS Number: 7664-38-2  
Specifications & Purity: Analytical Reagent, ≥85 wt. % in H<sub>2</sub>O  
Lot #: B2327317  
SKU #: **P112024**  
Analysis: **195866**

Parameter	Limit Values	Result
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.003 (%)	0.00300 %
Potassium(K)	0-0.005 (%)	0.00000 %
Cadmium(Cd)	0-0.0005 (%)	0.00000 %
Volatile acid	0-0.0002 (%)	0.00020 mmol/g
Iron(Fe)	0-0.002 (%)	0.00200 %
Copper(Cu)	0-5 (ppm)	0.00000 ppm
Manganese(Mn)	0-0.0002 (%)	0.00000 %
Lead(Pb)	0-0.001 (%)	0.000000 %
Sodium(Na)	0-0.05 (%)	0.00000 %
Color test (APHA)	0-25	25.00000
Zinc(Zn)	0-0.001 (%)	0.00000 %
Nickel(Ni)	0-0.0005 (%)	0.00000 ppm
Chloride (Cl <sup>-</sup> )	0-0.0003 (%)	0.00030 %
Assay	85-100 (%)	86.49000 %
(NO <sub>3</sub> )Nitrate	0-0.0005 (%)	0.00050 %
Reducing substances (As H <sub>3</sub> P <sub>03</sub> )	0-0.01 (%)	0.00940 %
(As)Arsenic	0-0.00005 (%)	0.00005 %
Appearance (P112024)	Colorless Liquid	Colorless liquid



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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