

## Certificate of Analysis

Date of Testing: 2023-07-12 16:32:43  
 Date of Next Testing: 2027-07-11 16:32:43  
 Product Name: **Phosphoric acid**  
 CAS Number: 7664-38-2  
 Specifications & Purity:  $\geq 85$  wt. % in H<sub>2</sub>O  
 Lot #: G2303655  
 SKU #: **P112026**  
**Analysis: 249398**

Parameter	Limit Values	Result
Reducing substances (As H <sub>3</sub> P <sub>03</sub> )	0-0.005 (%)	0.00410 %
Iron(Fe)	0-0.001 (%)	0.00100 %
Zinc(Zn)	0-0.0005 (%)	0.00000 %
Sodium(Na)	0-0.025 (%)	0.00020 %
Potassium(K)	0-0.003 (%)	0.00000 %
Color test (APHA)	0-10	10.00000
Nickel(Ni)	0-0.0003 (%)	0.00000 ppm
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.001 (%)	0.00100 %
Volatile acid	0-0.0002 (%)	0.00020 mmol/g
Lead(Pb)	0-0.0005 (%)	0.000000 %
Manganese(Mn)	0-0.0002 (%)	0.00000 %
Assay	85-100 (%)	85.66000 %
(NO <sub>3</sub> )Nitrate	0-0.0003 (%)	0.00030 %
Chloride (Cl <sup>-</sup> )	0-0.0002 (%)	0.00020 %
Cadmium(Cd)	0-0.0003 (%)	0.00000 %
Copper(Cu)	0-3 (ppm)	0.00000 ppm
(As)Arsenic	0-0.00005 (%)	0.00005 %
Appearance(P112026)	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