

## Certificate of Analysis

Date of Testing: 2022-07-26 17:25:10  
Date of Next Testing: 2026-07-25 17:25:10  
Product Name: **Phosphoric acid**  
CAS Number: 7664-38-2  
Specifications & Purity: Analytical Reagent, ≥85 wt. % in H<sub>2</sub>O  
Lot #: G2222649  
SKU #: **P112024**  
Analysis: **109347**

Parameter	Limit Values	Result
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.003 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
Cadmium(Cd)	≤5 (ppm)	0.00 ppm
Volatile acid	0-0.0002 (mmol/g)	0.00 mmol/g
Iron(Fe)	0-0.002 (%)	0.00 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Manganese(Mn)	0-0.0002 (%)	0.00 %
Lead(Pb)	0-10 (ppm)	0.00 ppm
Sodium(Na)	0-0.05 (%)	0.00 %
Color scale	0-25 (APHA)	10.00 APHA
Zinc(Zn)	0-0.001 (%)	0.00 %
Nickel(Ni)	0-0.0005 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-0.0003 (%)	0.00 %
Purity (Titration by NaOH)	85-100 (%)	85.93 %
(NO <sub>3</sub> )Nitrate	0-0.0002 (%)	0.00 %
Reducing substances (As H <sub>3</sub> P <sub>03</sub> )	0-0.01 (%)	0.00740 %
(As)Arsenic	≤0.5 (ppm)	0.00 ppm
Appearance (P112024)	Colorless liquid	Colorless liquid



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager