

## Certificate of Analysis

Date of Testing: 2022-10-15 16:13:23  
Date of Next Testing: 2026-10-14 16:13:23  
Product Name: **Phosphoric acid**  
CAS Number: 7664-38-2  
Specifications & Purity: ACS, ≥85 wt. % in H<sub>2</sub>O  
Lot #: J2210671  
SKU #: **P112027**  
Analysis: **142829**

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 (%)	85.70 %
Reducing Substances	pass	Pass



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