

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-27 09:45:37  
 Date of Next Testing: 2026-11-26 09:45:37  
 Product Name: **ortho-Phosphoric acid 85%**  
 CAS Number: 7664-38-2  
 Specifications & Purity: Premium-Grade Reagents , for Analysis, ACS,ISO,Reag. Ph Eur  
 Lot #: K2316461  
 SKU #: **O433778**  
**Analysis:** **285931**  
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(alkalimetric)	85-102.5 (%)	85.74000 %
Chloride (Cl <sup>-</sup> )	0-2 (ppm)	0.00 ppm
Fluoride (F <sup>-</sup> )	0-1 (ppm)	0.00 ppm
Nitrate(NO <sub>3</sub> )	0-3 (ppm)	0.00000 ppm
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
Sulfate(SO <sub>4</sub> )	0-20 (ppm)	0.00000 ppm
Arsenic(As)	0-0.5 (ppm)	0.00000 ppm
Calcium(Ca)	0-20 (ppm)	0.00 ppm
Cadmium(Cd)	0-0.5 (ppm)	0.00 ppm
Cobalt(Co)	0-0.5 (ppm)	0.00 ppm
Copper(Cu)	0-0.5 (ppm)	0.00 ppm
Iron(Fe)	0-10 (ppm)	0.00 ppm
Potassium(K)	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	2.00 ppm
Manganese(Mn)	0-0.5 (ppm)	0.00 ppm
Sodium(Na)	0-200 (ppm)	8.00 ppm
Nickel(Ni)	0-1 (ppm)	0.00 ppm
Lead(Pb)	0-0.5 (ppm)	0.00 ppm
Antimony(Sb)	0-5 (ppm)	0.00000 ppm
Zinc(Zn)	0-2 (ppm)	0.00 ppm
Insoluble matter	0-10 (ppm)	0.00 ppm
Phosphite and Hypophosphite(as H <sub>3</sub> PO <sub>3</sub> )	0-20 (ppm)	20.00000 ppm
Volatile acids (as Acetic acid)	0-10 (ppm)	10.00000 ppm
Substances reducing potassium permanganate (as O)	0-5 (ppm)	5.00000 ppm
Appearance(O433778)	Colorless Liquid	Colorless liquid
Appearance of solution	Conforms	Conforms

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Parameter	Limit Values	Result
Matter precipitated by ammonia	passes test	Passes test

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

John Su  
QA & QC Manager