

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-09-05 19:21:41
Date of Next Testing:	2027-09-05 19:21:41
Product Name:	ortho-Phosphoric acid 85%
CAS Number:	7664-38-2
Specifications & Purity:	Premium-Grade Reagents , for Analysis, ACS,ISO,Reag. Ph Eur
Lot #:	I2402284
SKU #	O433778
Version	1
Analysis #:	398731
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Assay(alkalimetric)	85-102.5 (%)	85.45000 %
Chloride (Cl ⁻)	0-2 (ppm)	0.00 ppm
Fluoride (F ⁻)	0-1 (ppm)	0.81 ppm
Nitrate(NO ₃)	0-3 (ppm)	0.00000 ppm
Phosphite and Hypophosphite(as H ₃ PO ₃)	0-20 (ppm)	0.00000 ppm
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
Sulfate(SO ₄)	0-20 (ppm)	0.00000 ppm
Arsenic(As)	0-0.5 (ppm)	0.00000 ppm
Calcium(Ca)	0-20 (ppm)	1.51 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)	2.77 ppm
Potassium(K)	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-0.5 (ppm)	0.00 ppm
Sodium(Na)	0-200 (ppm)	13.83 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
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

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Parameter	Limit Values	Result
Appearance of solution	Conforms	Conforms
Matter precipitated by ammonia	passes test	Passes test

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

John Su
QA & QC Manager