

Certificate of Analysis

Date of Testing: 2025-06-17 18:09:36

Date of Next Testing: 2028-06-16 18:09:36

Product Name: **ortho-Phosphoric acid 85%**

CAS Number: 7664-38-2

Specifications & Purity: Ph.Eur., Suitable for Analysis, ACS, Premium pure

Lot #: F2513185

SKU #: **O433778**

Version: **1**

Analysis #: **531105**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(alkalimetric)	85-102.5 (%)	85.77000 %
Chloride (Cl-)	0-2 (ppm)	1.00 ppm
Fluoride (F-)	0-1 (ppm)	0.05 ppm
Nitrate(NO3)	0-3 (ppm)	2.00000 ppm
Phosphite and Hypophosphite(as H3PO3)	0-20 (ppm)	18.00000 ppm
Heavy metal (as Pb)	0-10 (ppm)	9.00 ppm
Sulfate(SO4)	0-20 (ppm)	15.00000 ppm
Arsenic(As)	0-0.5 (ppm)	0.02000 ppm
Calcium(Ca)	0-20 (ppm)	12.00 ppm
Cadmium(Cd)	0-0.5 (ppm)	0.03 ppm
Cobalt(Co)	0-0.5 (ppm)	0.04 ppm
Copper(Cu)	0-0.5 (ppm)	0.02 ppm
Iron(Fe)	0-10 (ppm)	5.00 ppm
Potassium(K)	0-5 (ppm)	4.00 ppm
Magnesium(Mg)	0-5 (ppm)	2.00 ppm
Manganese(Mn)	0-0.5 (ppm)	0.02 ppm
Sodium(Na)	0-200 (ppm)	198.00 ppm
Nickel(Ni)	0-1 (ppm)	0.20 ppm
Lead(Pb)	0-0.5 (ppm)	0.03 ppm
Antimony(Sb)	0-5 (ppm)	2.00000 ppm
Zinc(Zn)	0-2 (ppm)	0.00 ppm
Volatile acids (as Acetic acid)	0-10 (ppm)	0.00000 ppm
Substances reducing potassium permanganate (as O)	0-10 (ppm)	0.00000 ppm
Insoluble matter	0-10 (ppm)	0.00 ppm
Appearance(O433778)	Colorless Liquid	Colorless liquid



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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