

Certificate of Analysis

Date of Testing: 2024-11-26 14:19:38

Date of Next Testing: 2027-11-26 14:19:38

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

CAS Number: 7664-38-2

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

Lot #: K2421101

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(NO3)	0-3 (ppm)	0.00000 ppm
Phosphite and Hypophosphite(as H3PO3)	0-20 (ppm)	0.00000 ppm
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
Sulfate(SO4)	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



ALADDIN SCIENTIFIC CORPORATION

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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