

Certificate of Analysis

Date of Testing:	2022-01-25 18:56:11
Date of Next Testing:	2024-01-15 18:56:11
Product Name:	Phosphoric acid
CAS Number:	7664-38-2
Specifications & Purity:	crystalline, ≥99%
Lot #:	A2220434
SKU #	P112028
Analysis:	062551
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Zinc(Zn)	0-1 (ppm)	0.36 ppm
Potassium(K)	0-5 (ppm)	2.33 ppm
Magnesium(Mg)	0-1 (ppm)	0.58 ppm
Manganese(Mn)	0-1 (ppm)	0.31 ppm
Copper(Cu)	0-1 (ppm)	0.22 ppm
Cadmium(Cd)	0-1 (ppm)	0.13 ppm
(As)Arsenic	0-1 (ppm)	0.36 ppm
Purity (Titration by NaOH)	99-101 (%)	99.50 %
(Pb)Lead	0-1 (ppm)	0.10 ppm
Nickel(Ni)	0-1 (ppm)	0.36 ppm
Iron(Fe)	0-10 (ppm)	5.26 ppm
Chloride (Cl-)	0-5 (ppm)	2.05 ppm
Cobalt(Co)	0-1 (ppm)	0.69 ppm
Chromium(Cr)	0-1 (ppm)	0.23 ppm
KMnO4-reducing matter (as O)	0-0.002 (%)	0.00 %
phosphite, hypophosphite (as H3PO3)	0-500 (ppm)	26.98 ppm
(NO3)Nitrate	0-5 (ppm)	1.14 ppm
Sulfate(SO42-)	0-30 (ppm)	11.36 ppm
Calcium(Ca)	0-10 (ppm)	9.98 ppm
Sodium(Na)	0-50 (ppm)	20.31 ppm
Appearance (P112028)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager