

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-07-05 11:40:45
Date of Next Testing:	2024-06-24 11:40:45
Product Name:	Phosphoric acid
CAS Number:	7664-38-2
Specifications & Purity:	crystalline, ≥99%
Lot #:	F2224217
SKU #	P112028
Analysis:	101846
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Zinc(Zn)	0-1 (ppm)	0.12 ppm
Potassium(K)	0-5 (ppm)	0.23 ppm
Magnesium(Mg)	0-1 (ppm)	0.13 ppm
Manganese(Mn)	0-1 (ppm)	0.00 ppm
Copper(Cu)	0-1 (ppm)	0.00 ppm
Cadmium(Cd)	0-1 (ppm)	0.30 ppm
(As)Arsenic	0-1 (ppm)	0.33 ppm
Purity (Titration by NaOH)	99-101 (%)	99.50 %
(Pb)Lead	0-1 (ppm)	0.21 ppm
Nickel(Ni)	0-1 (ppm)	0.40 ppm
Iron(Fe)	0-10 (ppm)	8.00 ppm
Chloride (Cl-)	0-5 (ppm)	3.10 ppm
Cobalt(Co)	0-1 (ppm)	0.30 ppm
Chromium(Cr)	0-1 (ppm)	0.50 ppm
KMnO4-reducing matter (as O)	0-0.002 (%)	0.00 %
phosphite, hypophosphite (as H3PO3)	0-500 (ppm)	100.00 ppm
(NO3)Nitrate	0-5 (ppm)	3.00 ppm
Sulfate(SO42-)	0-30 (ppm)	11.20 ppm
Calcium(Ca)	0-10 (ppm)	5.30 ppm
Sodium(Na)	0-50 (ppm)	24.70 ppm
Appearance (P112028)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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

John Su
QA & QC Manager