

Certificate of Analysis

Date of Testing:	2023-01-11 13:28:52
Date of Next Testing:	2024-12-31 13:28:52
Product Name:	Phosphoric acid
CAS Number:	7664-38-2
Specifications & Purity:	crystalline, ≥99%
Lot #:	K2229934
SKU #	P112028
Analysis:	148833
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Zinc(Zn)	0-1 (ppm)	0.26 ppm
Potassium(K)	0-5 (ppm)	1.33 ppm
Magnesium(Mg)	0-1 (ppm)	0.38 ppm
Manganese(Mn)	0-1 (ppm)	0.43 ppm
Copper(Cu)	0-1 (ppm)	0.37 ppm
Cadmium(Cd)	0-1 (ppm)	0.29 ppm
(As)Arsenic	0-1 (ppm)	0.48 ppm
Purity (Titration by NaOH)	99-101 (%)	99.70 %
(Pb)Lead	0-1 (ppm)	0.53 ppm
Nickel(Ni)	0-1 (ppm)	0.48 ppm
Iron(Fe)	0-10 (ppm)	10.00 ppm
Chloride (Cl-)	0-5 (ppm)	1.06 ppm
Cobalt(Co)	0-1 (ppm)	0.62 ppm
Chromium(Cr)	0-1 (ppm)	0.26 ppm
KMnO4-reducing matter (as O)	0-0.002 (%)	0.00 %
phosphite, hypophosphite (as H3PO3)	0-500 (ppm)	12.63 ppm
(NO3)Nitrate	0-5 (ppm)	1.28 ppm
Sulfate(SO42-)	0-30 (ppm)	4.63 ppm
Calcium(Ca)	0-10 (ppm)	2.86 ppm
Sodium(Na)	0-50 (ppm)	5.62 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

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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