

## Certificate of Analysis

Date of Testing:	2022-01-25 08:59:34
Date of Next Testing:	2024-01-15 08:59:34
Product Name:	<b>Phosphoric acid</b>
CAS Number:	7664-38-2
Specifications & Purity:	crystalline, ≥99%
Lot #:	A2220512
SKU #	<b>P112028</b>
<b>Analysis:</b>	<b>062986</b>
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Zinc(Zn)	0-1 (ppm)	0.23 ppm
Potassium(K)	0-5 (ppm)	1.12 ppm
Magnesium(Mg)	0-1 (ppm)	0.36 ppm
Manganese(Mn)	0-1 (ppm)	0.75 ppm
Copper(Cu)	0-1 (ppm)	0.32 ppm
Cadmium(Cd)	0-1 (ppm)	0.63 ppm
(As)Arsenic	0-1 (ppm)	0.55 ppm
Purity (Titration by NaOH)	99-101 (%)	99.40 %
(Pb)Lead	0-1 (ppm)	0.52 ppm
Nickel(Ni)	0-1 (ppm)	0.16 ppm
Iron(Fe)	0-10 (ppm)	2.96 ppm
Chloride (Cl-)	0-5 (ppm)	2.31 ppm
Cobalt(Co)	0-1 (ppm)	0.36 ppm
Chromium(Cr)	0-1 (ppm)	0.52 ppm
KMnO4-reducing matter (as O)	0-0.002 (%)	0.00 %
phosphite, hypophosphite (as H3PO3)	0-500 (ppm)	62.36 ppm
(NO3)Nitrate	0-5 (ppm)	3.12 ppm
Sulfate(SO42-)	0-30 (ppm)	15.45 ppm
Calcium(Ca)	0-10 (ppm)	6.21 ppm
Sodium(Na)	0-50 (ppm)	11.42 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".

John Su  
QA & QC Manager