

Certificate of Analysis

Date of Testing:	2023-08-23 16:10:29
Date of Next Testing:	2026-08-22 16:10:29
Product Name:	Citric acid monohydrate
CAS Number:	5949-29-1
Specifications & Purity:	BioReagent Plus, ≥99.5%
Lot #:	H2321443
SKU #	C433027
Analysis:	253053

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99.5-102.5 (%)	100.19 %
Aluminum(Al)	0-0.0005 (%)	0.00 %
Lead(Pb)	0-0.001 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Zinc(Zn)	0-0.0005 (%)	0.00 %
Calcium(Ca)	0-0.0005 (%)	0.00 %
Magnesium(Mg)	0-0.0005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
Ammonia (NH ₃)	0-0.05 (%)	0.00 %
Residue on ignition(Ash)	0-0.02 (%)	0.00000 %
Insoluble matter	0-0.005 (%)	0.00 %
Chloride Content	0-0.001 (%)	0.00 %
Sulfate(SO ₄)	0-0.002 (%)	0.00000 %
Phosphorus (P)	0-0.001 (%)	0.00 %
Solubility(1 M in H ₂ O),Clear Colorless	Pass	Pass
Appearance(C433027)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Infrared spectrum	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".

John Su
QA & QC Manager