

Certificate of Analysis

Date of Testing:	2023-08-23 13:48:17
Date of Next Testing:	2026-08-22 13:48:17
Product Name:	Citric acid monohydrate
CAS Number:	5949-29-1
Specifications & Purity:	BioReagent Plus, ≥99.5%
Lot #:	H2321430
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

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager