

## Certificate of Analysis

Date of Testing: 2022-06-08 19:35:44  
Date of Next Testing: 2026-06-07 19:35:44  
Product Name: **Citric acid monohydrate**  
CAS Number: 5949-29-1  
Specifications & Purity: ACS, 99.0-102.0%  
Lot #: F2206298  
SKU #: **C112635**  
Analysis: **091017**

Parameter	Limit Values	Result
Phosphate(PO4)	0-0.001 (%)	0.00 %
Chloride (Cl-)	0-0.001 (%)	0.00 %
Assay	99-102 (%)	99.86 %
Iron(Fe)	0-3 (ppm)	1.30 ppm
Sulfate(SO42-)	0-0.002 (%)	0.00 %
Lead(Pb)	0-2 (ppm)	1.20 ppm
Ignition Residue (as sulfate)	0-0.02 (%)	0.01 %
Insoluble matter	0-0.005 (%)	0.00 %
Appearance (C112635)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
oxalate (C2O42- , limit about 0.05%)	To pass test	to pass test
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Readily carbonizable substance	pass	Pass



John Su  
QA & QC Manager