

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-28 15:26:06
Date of Next Testing: 2027-07-27 15:26:06
Product Name: **Citric acid monohydrate**
CAS Number: 5949-29-1
Specifications & Purity: ACS, 99.0-102.0%
Lot #: G2320460
SKU #: **C112635**
Analysis: **257082**

| Parameter | Limit Values | Result |
|--------------------------------------|---------------------------------------|---------------------------------------|
| Phosphate(PO4) | 0-0.001 (%) | 0.00 % |
| Chloride (Cl-) | 0-0.001 (%) | 0.00 % |
| Assay | 99-102 (%) | 99.67 % |
| Iron(Fe) | 0-3 (ppm) | 0.20 ppm |
| Sulfate(SO42-) | 0-0.002 (%) | 0.00 % |
| Lead(Pb) | 0-2 (ppm) | 0.10 ppm |
| Ignition Residue (as sulfate) | 0-0.02 (%) | 0.00 % |
| 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