

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-24 14:51:53

Date of Next Testing: 2029-03-23 14:51:53

Product Name: **Citric acid monohydrate**

CAS Number: 5949-29-1

Specifications & Purity: ACS, ≥99%

Lot #: C2519141

SKU #: **C112635**

Version: **0**

Analysis #: **487631**

Storage Temperature: Room temperature

| Parameter                                                                 | Limit Values                          | Result                                |
|---------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Phosphate(PO <sub>4</sub> )                                               | 0-0.001 (%)                           | 0.00000 %                             |
| Chloride (Cl <sup>-</sup> )                                               | 0-0.001 (%)                           | 0.00000 %                             |
| Assay                                                                     | 99-102 (%)                            | 99.76000 %                            |
| Iron(Fe)                                                                  | 0-3 (ppm)                             | 0.13000 ppm                           |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                                   | 0-0.002 (%)                           | 0.00000 %                             |
| Lead(Pb)                                                                  | 0-2 (ppm)                             | 0.10000 ppm                           |
| Ignition Residue (as sulfate)                                             | 0-0.02 (%)                            | 0.00000 %                             |
| Insoluble matter                                                          | 0-0.005 (%)                           | 0.00000 %                             |
| Appearance (C112635)                                                      | Colorless or White Powder or Crystals | Colorless or White Powder or Crystals |
| oxalate (C <sub>2</sub> O <sub>4</sub> <sup>2-</sup> , 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