

Certificate of Analysis

Date of Testing: 2022-05-18 19:26:56
Date of Next Testing: 2026-05-17 19:26:56
Product Name: **Citric acid monohydrate**
CAS Number: 5949-29-1
Specifications & Purity: ACS, 99.0-102.0%
Lot #: E2216159
SKU #: **C112635**
Analysis: **091017**

| Parameter | Limit Values | Result |
|---|---------------------------------------|---------------------------------------|
| Phosphate(PO ₄) | 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(SO ₄ ²⁻) | 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 (C ₂ O ₄ ²⁻ , limit about 0.05%) | To pass test | to pass test |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Readily carbonizable substance | pass | Pass |



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