

## Certificate of Analysis

Date of Testing: 2023-03-02 17:50:30  
Date of Next Testing: 2027-03-01 17:50:30  
Product Name: **Citric acid monohydrate**  
CAS Number: 5949-29-1  
Specifications & Purity: Analytical Reagent,99.5%  
Lot #: B2327213  
SKU #: **C112632**  
Analysis: **193500**

| Parameter                      | Limit Values   | Result     |
|--------------------------------|----------------|------------|
| Ignition Residue (as sulfate)  | 0-0.02 (%)     | 0.01 %     |
| Calcium(Ca)                    | 0-0.05 (µg/mg) | 0.03 µg/mg |
| Copper(Cu)                     | 0-0.0005 (%)   | 0.00 %     |
| Phosphate(PO4)                 | 0-0.001 (%)    | 0.00 %     |
| Sulfate(SO42-)                 | 0-0.005 (%)    | 0.00 %     |
| Iron(Fe)                       | 0-0.0005 (%)   | 0.00 %     |
| Assay                          | 99.5-100 (%)   | 99.79 %    |
| Insoluble matter in H2O        | 0-0.005 (%)    | 0.00 %     |
| Lead(Pb)                       | 0-0.0005 (%)   | 0.00 %     |
| Chloride (Cl-)                 | 0-0.0005 (%)   | 0.00 %     |
| oxalate (C2O42-)               | 0-0.05 (%)     | 0.00 %     |
| Readily carbonizable substance | pass           | Pass       |



John Su  
QA & QC Manager