

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-18 16:49:01  
 Date of Next Testing: 2028-10-17 16:49:01  
 Product Name: **tri-Sodium citrate dihydrate**  
 CAS Number: 6132-04-3  
 Specifications & Purity: Ph.Eur., Suitable for Analysis, ACS, Premium pure  
 Lot #: J2517640  
 SKU #: **T433112**  
 Version: **1**  
 Analysis #: **572744**  
 Storage Temperature: Room temperature

| Parameter                                                      | Limit Values             | Result                   |
|----------------------------------------------------------------|--------------------------|--------------------------|
| Insoluble matter in H <sub>2</sub> O                           | 0-0.005 (%)              | 0.00000 %                |
| PH (5%, water) 25 ° C                                          | 7.5-9                    | 8.95000                  |
| (PO <sub>4</sub> )Phosphate                                    | 0-0.002 (%)              | 0.00000 %                |
| Heavy metal (as Pb)                                            | 0-0.0005 (%)             | 0.00000 %                |
| Calcium(Ca)                                                    | 0-0.005 (%)              | 0.00000 %                |
| Iron(Fe)                                                       | 0-0.0005 (%)             | 0.00000 %                |
| Assay(perchloric acid titration)                               | 99-101 (%)               | 99.39000 %               |
| Chloride (Cl <sup>-</sup> )                                    | 0-0.001 (%)              | 0.00090 %                |
| oxalate (C <sub>2</sub> O <sub>4</sub> <sup>2-</sup> )         | 0-0.03 (%)               | 0.02000 %                |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                        | 0-0.004 (%)              | 0.00350 %                |
| Ammonia (NH <sub>3</sub> )                                     | 0-0.003 (%)              | 0.00280 %                |
| Total Nitrogen                                                 | 0-0.001 (%)              | 0.00100 %                |
| Water by Karl Fischer                                          | 11.0-13 (%)              | 12.95000 %               |
| Assay(Perchloric acid titration, calc. on anhydrous substance) | 99-101 (%)               | 99.05000 %               |
| Appearance(T433112)                                            | White Powder or Crystals | White Powder or Crystals |
| NMR Spectrum 1H                                                | Conforms to Structure    | Conforms to Structure    |



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager