

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-01-08 17:50:03  
 Date of Next Testing: 2026-12-29 17:50:03  
 Product Name: **Sodium citrate tribasic dihydrate**  
 CAS Number: 6132-04-3  
 Specifications & Purity: Suitable for molecular biology, ≥99%  
 Lot #: A2506534  
 SKU #: **S116315**  
 Version: **0**  
 Analysis #: **202422**  
 Storage Temperature: Room temperature

| Parameter                                                                            | Limit Values             | Result                   |
|--------------------------------------------------------------------------------------|--------------------------|--------------------------|
| Lead(Pb)                                                                             | 0-5 (ppm)                | 0.00000 ppm              |
| Ammonia (NH <sub>4</sub> )                                                           | 0-10 (ppm)               | 3.08000 ppm              |
| Water by Karl Fischer                                                                | 8.1-13.5 (%)             | 9.72450 %                |
| Iron(Fe)                                                                             | 0-5 (ppm)                | 0.00000 ppm              |
| Purity(Titration by HClO <sub>4</sub> )                                              | 99-101 (%)               | 99.83000 %               |
| Sodium(Na)                                                                           | 22-24 (%)                | 22.21000 %               |
| Appearance (S116315)                                                                 | White Powder or Crystals | White Powder or Crystals |
| Proton NMR spectrum                                                                  | Conforms to Structure    | Conforms to Structure    |
| Solubility in H <sub>2</sub> O , Colorless , Clear , 100 mg in 1 mL H <sub>2</sub> O | pass                     | Pass                     |
| DNase, Exonuclease Detection                                                         | None Detected            | none detected            |
| NICKASE                                                                              | none detected            | none detected            |
| proteases                                                                            | none detected            | none detected            |
| RNases                                                                               | none detected            | none detected            |



John Su  
QA & QC Manager