

Certificate of Analysis

Date of Testing: 2022-11-14 09:41:14
Date of Next Testing: 2024-11-03 09:41:14
Product Name: **Sodium citrate tribasic dihydrate**
CAS Number: 6132-04-3
Specifications & Purity: for molecular biology, ≥99%
Lot #: E2409061
SKU #: **S116315**
Version: **0**
Analysis #: **154505**

| Parameter | Limit Values | Result |
|--|--------------------------|--------------------------|
| Purity(Titration by HClO ₄) | 99-101 (%) | 99.50 % |
| Lead(Pb) | 0-5 (ppm) | 1.30 ppm |
| Ammonia (NH ₄) | 0-10 (ppm) | 5.60 ppm |
| Water by Karl Fischer | 8.1-13.5 (%) | 10.20 % |
| Iron(Fe) | 0-5 (ppm) | 3.10 ppm |
| Sodium(Na) | 22-24 (%) | 22.70 % |
| Appearance (S116315) | White Powder or Crystals | White Powder or Crystals |
| DNase, Exonuclease Detection | None Detected | none detected |
| NICKASE | none detected | none detected |
| proteases | none detected | none detected |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| RNases | none detected | none detected |
| Solubility in H ₂ O , Colorless , Clear , 100 mg in 1 mL H ₂ O | pass | Pass |



John Su
QA & QC Manager