

## Certificate of Analysis

Date of Testing: 2023-05-08 16:34:34  
Date of Next Testing: 2025-04-27 16:34:34  
Product Name: **Sodium citrate tribasic dihydrate**  
CAS Number: 6132-04-3  
Specifications & Purity: for molecular biology, ≥99%  
Lot #: D23241257  
SKU #: **S116315**  
Analysis: **202422**

Parameter	Limit Values	Result
Lead(Pb)	0-5 (ppm)	0.00 ppm
Ammonia (NH <sub>4</sub> )	0-10 (ppm)	3.08 ppm
Water by Karl Fischer	8.1-13.5 (%)	9.72 %
Iron(Fe)	0-5 (ppm)	0.00 ppm
Purity(Titration by HClO <sub>4</sub> )	99-101 (%)	99.83 %
Sodium(Na)	22-24 (%)	22.21 %
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