

## Certificate of Analysis

Date of Testing: 2022-09-21 13:31:03  
Date of Next Testing: 2024-09-10 13:31:03  
Product Name: **Sodium citrate tribasic dihydrate**  
CAS Number: 6132-04-3  
Specifications & Purity: for molecular biology, ≥99%  
Lot #: L2015181  
SKU #: **S116315**  
Analysis: **138008**

Parameter	Limit Values	Result
Purity(Titration by HClO <sub>4</sub> )	99-101 (%)	99.74 %
Lead(Pb)	0-5 (ppm)	2.40 ppm
Ammonia (NH <sub>4</sub> )	0-10 (ppm)	6.20 ppm
Water by Karl Fischer	8.1-13.5 (%)	11.30 %
Iron(Fe)	0-5 (ppm)	2.30 ppm
Sodium(Na)	22-24 (%)	23.40 %
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 <sub>2</sub> O , Colorless , Clear , 100 mg in 1 mL H <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager