

Certificate of Analysis

Date of Testing: 2023-05-08 16:15:29

Date of Next Testing: 2025-04-27 16:15:29

Product Name: **Sodium citrate tribasic dihydrate**

CAS Number: 6132-04-3

Specifications & Purity: for molecular biology, ≥99%

Lot #: D23241252

SKU #: **S116315**

Analysis: 202422

Parameter	Limit Values	Result
Lead(Pb)	0-5 (ppm)	0.00 ppm
Ammonia (NH4)	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 HClO4)	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 H2O , Colorless , Clear , 100 mg in 1 mL H2O	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