

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-04-10 18:09:52
Date of Next Testing:	2026-04-09 18:09:52
Product Name:	tri-Sodium citrate dihydrate
CAS Number:	6132-04-3
Specifications & Purity:	Premium-Grade Reagents , for Analysis, ACS,ISO,Reag. Ph Eur
Lot #:	D2303013
SKU #	T433112
Version	1
Analysis #:	181869
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Insoluble matter in H ₂ O	0-0.005 (%)	0.00%
PH (5%, water) 25 ° C	7.5-9	8.64
Chloride (Cl ⁻)	0-0.001 (%)	0.00%
oxalate (C ₂ O ₄ ²⁻)	0-0.03 (%)	0.01%
(PO ₄)Phosphate	0-0.002 (%)	0.00%
Sulfate(SO ₄ ²⁻)	0-0.004 (%)	0.00%
Total Nitrogen	0-0.001 (%)	0.00%
Heavy metal (as Pb)	0-0.0005 (%)	0.00%
Calcium(Ca)	0-0.005 (%)	0.00%
Iron(Fe)	0-0.0005 (%)	0.00%
Ammonia (NH ₃)	0-0.003 (%)	0.00%
Assay(perchloric acid titration)	99-101 (%)	99.28000%
Water by Karl Fischer	11.0-13 (%)	12.62%
Assay(Perchloric acid titration, calc. on anhydrous substance)	99-101 (%)	99.44000%
Appearance(T433112)	White Powder or Crystals	White Powder or Crystals
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager