

## Certificate of Analysis

Date of Testing: 2023-08-15 15:55:54  
Date of Next Testing: 2026-08-14 15:55:54  
Product Name: **tri-Sodium citrate**  
CAS Number: 68-04-2  
Specifications & Purity: Anhydrous, USP  
Lot #: H2310578  
SKU #: **T433302**  
Version: **1**  
Analysis #: **254097**

Parameter	Limit Values	Result
PH	7.5-9.0	8.21
Loss on drying	0-1 (%)	0.48 %
Aluminium(Al)	0-1 (ppm)	0.00000 ppm
Arsenic(As)	0-1 (ppm)	0.00000 ppm
Mercury(Hg)	0-1 (ppm)	0.00 ppm
Lead(Pb)	0-1 (ppm)	0.00 ppm
Perchloric acid titration , previously dried substance (USP)	99-100.5 (%)	99.26000 %
Oxalate(as C <sub>2</sub> H <sub>2</sub> O <sub>4</sub> )	0-100 (ppm)	0.00000 ppm
Appearance(T433302)	White to almost white granular powder or crystalline powder	White to almost white granular powder or crystalline powder
ICP: Confirms Sodium Component	Confirmed	Confirmed
Tartrate(C <sub>4</sub> H <sub>4</sub> O <sub>6</sub> )	Passes test	Passes test
Identity(Citrate)	Passes test	Passes test



John Su  
QA & QC Manager