

Certificate of Analysis

Date of Testing: 2022-06-04 10:00:58

Date of Next Testing: 2026-06-03 10:00:58

Product Name: **Ammonium citrate tribasic**

CAS Number: 3458-72-8

Specifications & Purity: Analytical Reagent, 98.5%

Lot #: E2231237

SKU #: **A116440**

Analysis: **083818**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Iron(Fe)	0-0.001 (%)	0.00 %
Sulfate(SO42-)	0-0.005 (%)	0.00 %
Assay	98.5-100 (%)	98.61 %
Calcium(Ca)	0-0.01 (%)	0.01 %
Phosphate(PO4)	0-0.002 (%)	0.00 %
Heavy metal (as Pb)	0-0.002 (%)	0.00 %
Insoluble matter in H2O	0-0.005 (%)	0.00 %
Ignition Residue (as sulfate)	0-0.03 (%)	0.02 %
Chloride (Cl-)	0-0.003 (%)	0.00 %
Appearance (A116440)	White to Off-White Crystals	White to Off-White Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
oxalate (C2O42-)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Substances darkened by sulfuric acid	Pass	Pass



John Su
QA & QC Manager