

Certificate of Analysis

Date of Testing: 2025-01-04 16:39:19

Date of Next Testing: 2029-01-03 16:39:19

Product Name: **Ammonium citrate tribasic**

CAS Number: 3458-72-8

Specifications & Purity: AR, ≥98.5%

Lot #: L2426291

SKU #: **A116440**

Version **1**

Analysis #: **443110**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Iron(Fe)	0-0.001 (%)	0.00 %
Assay	98.5-100 (%)	98.60 %
Calcium(Ca)	0-0.01 (%)	0.00 %
Phosphate(PO ₄)	0-0.002 (%)	0.00 %
Heavy metal (as Pb)	0-0.002 (%)	0.00 %
Insoluble matter in H ₂ O	0-0.005 (%)	0.00 %
Ignition Residue (as sulfate)	0-0.03 (%)	0.00 %
Chloride (Cl ⁻)	0-0.003 (%)	0.00 %
Sulfate(SO ₄ ²⁻)	0-0.005 (%)	0.00 %
Appearance (A116440)	White to Off-White Crystals	White to Off-White Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
oxalate (C ₂ O ₄ ²⁻)	pass	Pass
Substances darkened by sulfuric acid	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager