

## Certificate of Analysis

Date of Testing: 2025-06-05 09:56:23  
Date of Next Testing: 2029-06-04 09:56:23  
Product Name: **Ammonium citrate tribasic**  
CAS Number: 3458-72-8  
Specifications & Purity: AR, ≥98.5%  
Lot #: E2530291  
SKU #: **A116440**  
Version: **1**  
Analysis #: **507858**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Iron(Fe)	0-0.001 (%)	0.00 %
Assay	98.5-100 (%)	98.65 %
Calcium(Ca)	0-0.01 (%)	0.00 %
Phosphate(PO <sub>4</sub> )	0-0.002 (%)	0.00 %
Heavy metal (as Pb)	0-0.002 (%)	0.00 %
Insoluble matter in H <sub>2</sub> O	0-0.005 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-0.003 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.005 (%)	0.01 %
Ignition Residue (as sulfate)	0-0.03 (%)	0.03 %
Appearance (A116440)	White to Off-White Crystals	White to Off-White Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure
oxalate (C <sub>2</sub> O <sub>4</sub> <sup>2-</sup> )	pass	Pass
Substances darkened by sulfuric acid	Pass	Pass



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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