

Certificate of Analysis

Date of Testing: 2024-09-12 19:11:41

Date of Next Testing: 2028-09-11 19:11:41

Product Name: **Ammonium citrate tribasic**

CAS Number: 3458-72-8

Specifications & Purity: AR, ≥98.5%

Lot #: I2410008

SKU #: **A116440**

Version: **0**

Analysis #: **233350**

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 (%)	99.48 %
Calcium(Ca)	0-0.01 (%)	0.00 %
Phospate(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
oxalate (C2O42-)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Substances darkened by sulfuric acid	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager