

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-02 09:30:17
 Date of Next Testing: 2029-03-01 09:30:17
 Product Name: **Ammonium sulfate**
 CAS Number: 7783-20-2
 Specifications & Purity: UltraBio™, Ultra pure, ≥99%
 Lot #: B2624281
 SKU #: **A434061**
 Version: **1**
 Analysis #: **663709**
 Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Loss on drying(110°C)	0-1 (%)	0.03000 %
Residue on Ignition(SO4)	0-0.01 (%)	0.00500 %
Chloride (Cl-)	0-0.001 (%)	0.00000 %
Nitrate(NO3)	0-0.001 (%)	0.00000 %
Phosphate(PO4)	0-0.0005 (%)	0.00000 %
Aluminum(Al)	0-0.0005 (%)	0.00000 %
Bismuth(Bi)	0-0.0005 (%)	0.00000 %
Lead(Pb)	0-0.0002 (%)	0.00000 %
Arsenic(As)	0-0.0001 (%)	0.00000 %
Barium(Ba)	0-0.0005 (%)	0.00000 %
Cadmium(Cd)	0-0.0001 (%)	0.00000 %
Cobalt(Co)	0-0.0005 (%)	0.00000 %
Copper(Cu)	0-0.0002 (%)	0.00000 %
Strontium(Sr)	0-0.0005 (%)	0.00000 %
Zinc(Zn)	0-0.0001 (%)	0.00000 %
Potassium(K)	0-0.005 (%)	0.00000 %
Calcium(Ca)	0-0.001 (%)	0.00000 %
Chromium(Cr)	0-0.0005 (%)	0.00000 %
Magnesium(Mg)	0-0.0005 (%)	0.00000 %
Manganese(Mn)	0-0.0005 (%)	0.00010 %
Iron(Fe)	0-0.0002 (%)	0.00000 %
Lithium(Li)	0-0.0005 (%)	0.00000 %
Molybdenum(Mo)	0-0.0005 (%)	0.00000 %
Sodium(Na)	0-0.005 (%)	0.00000 %
Nickel(Ni)	0-0.0005 (%)	0.00000 %

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Parameter	Limit Values	Result
A260 UV Absorption (1 M in H ₂ O)	0-0.037	0.01500
A280 UV Absorption (1 M in H ₂ O)	0-0.03	0.02000
PH(1M in H ₂ O)	5-6	5.41000
Assay(Titration by NaOH)	99-101.5 (%)	100.12000 %
Appearance(A434061)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility(1 M in H ₂ O),Colorless Clear	Pass	Pass
Insoluble Matter(Passes filter test)	Pass	Pass

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager