

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-02 20:43:11  
 Date of Next Testing: 2026-07-01 20:43:11  
 Product Name: **Ammonium sulfate**  
 CAS Number: 7783-20-2  
 Specifications & Purity: 99.9999% SuperPure grade  
 Lot #: F2320209  
 SKU #: **A434060**  
**Analysis:** **235506**  
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(acidimetric)	99.5-102.5 (%)	100.54000 %
Chloride (Cl-)	0-3 (ppm)	0.00 ppm
Nitrate(NO3)	0-10 (ppm)	0.00000 ppm
Phosphate(PO4)	0-5 (ppm)	0.00000 ppm
Silver (Ag)	0-0.01 (ppm)	0.00 ppm
Barium(Ba)	0-0.05 (ppm)	0.00 ppm
Beryllium(Be)	0-0.01 (ppm)	0.00 ppm
Bismuth(Bi)	0-0.05 (ppm)	0.00 ppm
Cadmium(Cd)	0-0.005 (ppm)	0.00 ppm
Cobalt(Co)	0-0.005 (ppm)	0.00 ppm
Chromium(Cr)	0-0.01 (ppm)	0.00000 ppm
Copper(Cu)	0-0.005 (ppm)	0.00 ppm
Iron(Fe)	0-0.05 (ppm)	0.00 ppm
Indium (In)	0-0.05 (ppm)	0.00 ppm
Potassium(K)	0-0.1 (ppm)	0.00 ppm
Lithium(Li)	0-0.05 (ppm)	0.00 ppm
Magnesium(Mg)	0-0.01 (ppm)	0.00 ppm
Manganese(Mn)	0-0.01 (ppm)	0.00 ppm
Sodium(Na)	0-0.1 (ppm)	0.00 ppm
Nickel(Ni)	0-0.01 (ppm)	0.00 ppm
Lead(Pb)	0-0.005 (ppm)	0.00 ppm
Strontium(Sr)	0-0.01 (ppm)	0.00 ppm
Thallium(Tl)	0-0.005 (ppm)	0.00000 ppm
Zinc(Zn)	0-0.01 (ppm)	0.00 ppm
Purity	99.9999-100 (%)	100.00 %
Aluminium(Al)	0-0.05 (ppm)	0.00000 ppm

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Parameter	Limit Values	Result
Calcium(Ca)	0-0.1 (ppm)	0.00 ppm
Gallium(Ga)	0-0.05 (ppm)	0.00 ppm
Appearance(A434060)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

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

John Su  
QA & QC Manager