

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-17 11:44:28

Date of Next Testing: 2027-12-17 11:44:28

Product Name: **Ammonium sulfate**

CAS Number: 7783-20-2

Specifications & Purity: Ph.Eur., Suitable for Analysis, ACS, Premium pure

Lot #: L2412460

SKU #: **A434065**

Version: **2**

Analysis #: **437441**

Storage Temperature: Room temperature

| Parameter                            | Limit Values                         | Result                               |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Assay(alkalimetric)                  | 99.5-102.5 (%)                       | 100.35000 %                          |
| Insoluble matter in H <sub>2</sub> O | 0-0.001 (%)                          | 0.00 %                               |
| PH (5%, water) 25 ° C                | 5-6                                  | 5.71                                 |
| Chloride (Cl <sup>-</sup> )          | 0-0.0003 (%)                         | 0.00 %                               |
| Nitrate(NO <sub>3</sub> )            | 0-0.001 (%)                          | 0.00000 %                            |
| Phosphate(PO <sub>4</sub> )          | 0-0.0005 (%)                         | 0.00000 %                            |
| Heavy metals(as Pb)                  | 0-0.0005 (%)                         | 0.00 %                               |
| Arsenic(As)                          | 0-0.00002 (%)                        | 0.00000 %                            |
| Calcium(Ca)                          | 0-0.001 (%)                          | 0.00 %                               |
| Cadmium(Cd)                          | 0-0.0001 (%)                         | 0.00 %                               |
| Copper(Cu)                           | 0-0.0002 (%)                         | 0.00 %                               |
| Iron(Fe)                             | 0-0.0002 (%)                         | 0.00 %                               |
| Magnesium(Mg)                        | 0-0.0005 (%)                         | 0.00 %                               |
| Lead(Pb)                             | 0-0.0002 (%)                         | 0.00 %                               |
| Zinc(Zn)                             | 0-0.0001 (%)                         | 0.00 %                               |
| Ignition Residue (as sulfate)        | 0-0.005 (%)                          | 0.00 %                               |
| Aluminium(Al)                        | 0-0.75 (ppm)                         | 0.00000 ppm                          |
| Chromium(Cr)                         | 0-0.75 (ppm)                         | 0.00 ppm                             |
| Loss on drying(105°C)                | 0-0.1 (%)                            | 0.05 %                               |
| Appearance(A434065)                  | White Powder, Crystals and/or Chunks | White Powder, Crystals and/or Chunks |
| 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