

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-02-22 10:32:09  
Date of Next Testing: 2028-02-21 10:32:09  
Product Name: **Ammonium sulfate**  
CAS Number: 7783-20-2  
Specifications & Purity:  $\geq 99.99\%$  metals basis  
Lot #: B2419479  
SKU #: **A112105**  
Analysis: **322600**

| Parameter                              | Limit Values                         | Result                               |
|--|--------------------------------------|--------------------------------------|
| Insoluble matter                       | 0-0.005 (%)                          | 0.00 %                               |
| Iron(Fe)                               | 0-5 (ppm)                            | 2.00 ppm                             |
| Total Metallic Impuritie               | 0-100 (ppm)                          | 28.00 ppm                            |
| Purity(Based On Trace Metals Analysis) | 99.99-100 (%)                        | 100.00 %                             |
| PH                                     | 5-6                                  | 5.30                                 |
| Heavy metal (as Pb)                    | 0-5 (ppm)                            | 1.00 ppm                             |
| Chloride                               | 0-5 (ppm)                            | 2.00 ppm                             |
| Phospate(PO4)                          | 0-5 (ppm)                            | 0.00 ppm                             |
| (NO3)Nitrate                           | 0-0.001 (%)                          | 0.00 %                               |
| Ignition Residue (as sulfate)          | 0-0.005 (%)                          | 0.00 %                               |
| Appearance (A112105)                   | White Powder, Crystals and/or Chunks | White Powder, Crystals and/or Chunks |
| ICP Assay                              | Confirmed to structure               | Confirmed to structure               |
| X-Ray Diffraction                      | Conforms to Structure                | Conforms to Structure                |



John Su  
QA & QC Manager