

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-21 16:48:59  
 Date of Next Testing: 2028-10-20 16:48:59  
 Product Name: **Aluminum nitrate nonahydrate**  
 CAS Number: 7784-27-2  
 Specifications & Purity: AR, ≥99%  
 Lot #: J2417727  
 SKU #: **A110781**  
 Version: **1**  
 Analysis #: **424109**  
 Storage Temperature: Room temperature

| Parameter                   | Limit Values          | Result                |
|-----------------------------|-----------------------|-----------------------|
| Sulfate(SO42-)              | 0-0.003 (%)           | 0.00000 %             |
| Iron(Fe)                    | 0-0.002 (%)           | 0.00015 %             |
| Heavy metals                | 0-0.0005 (%)          | 0.00000 %             |
| Insoluble matter in H2O     | 0-0.01 (%)            | 0.00500 %             |
| Purity(Compleximetric EDTA) | 99.0-101.0 (%)        | 99.99770 %            |
| PH (50g/L, 25°C)            | 2.5-4.0               | 3.50000               |
| Clarity test (#)            | 0-3                   | 1.00000               |
| Chloride (Cl-)              | 0-0.001 (%)           | 0.00000 %             |
| Ammonia (NH4)               | 0-0.02 (%)            | 0.00100 %             |
| Sodium(Na)                  | 0-0.01 (%)            | 0.00050 %             |
| Magnesium(Mg)               | 0-0.001 (%)           | 0.00000 %             |
| Potassium(K)                | 0-0.002 (%)           | 0.00000 %             |
| Calcium(Ca)                 | 0-0.005 (%)           | 0.00000 %             |
| X-Ray Diffraction           | Conforms to Structure | Conforms to Structure |
| Appearance(A110781)         | White crystal         | White crystal         |



QualityAssurance@aladdinsci.com

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

John Su  
QA & QC Manager