

## Certificate of Analysis

Date of Testing: 2024-06-15 11:42:04  
Date of Next Testing: 2028-06-14 11:42:04  
Product Name: **Aluminum nitrate nonahydrate**  
CAS Number: 7784-27-2  
Specifications & Purity: Analytical Reagent,99.0%  
Lot #: F2401030  
SKU #: **A110781**  
Version: **1**  
Analysis #: **369332**

| Parameter                    | Limit Values          | Result                |
|------------------------------|-----------------------|-----------------------|
| Sulfate(SO42-)               | 0-0.003 (%)           | 0.00 %                |
| Iron(Fe)                     | 0-0.002 (%)           | 0.00 %                |
| Heavy metals                 | 0-0.0005 (%)          | 0.00 %                |
| Insoluble matter in H2O      | 0-0.01 (%)            | 0.00 %                |
| Purity(Complexiometric EDTA) | 99.0-101.0 (%)        | 99.99 %               |
| PH (50g/L, 25°C)             | 2.5-4.0               | 3.50000               |
| Clarity test (#)             | 0-3                   | 1.20                  |
| Chloride (Cl-)               | 0-0.001 (%)           | 0.00 %                |
| Ammonia (NH4)                | 0-0.02 (%)            | 0.01 %                |
| Sodium(Na)                   | 0-0.01 (%)            | 0.00 %                |
| Magnesium(Mg)                | 0-0.001 (%)           | 0.00 %                |
| Potassium(K)                 | 0-0.002 (%)           | 0.00 %                |
| Calcium(Ca)                  | 0-0.005 (%)           | 0.00 %                |
| X-Ray Diffraction            | Conforms to Structure | Conforms to Structure |
| Appearance(A110781)          | White crystal         | White crystal         |



ALADDIN SCIENTIFIC CORPORATION

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

John Su  
QA & QC Manager