

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-10 14:26:43  
Date of Next Testing: 2030-04-09 14:26:43  
Product Name: **Ammonium carbonate**  
CAS Number: 506-87-6  
Specifications & Purity: AR, 30% NH3 basis(T)  
Lot #: C2619297  
SKU #: **A110371**  
Version: **0**  
Analysis #: **691788**  
Storage Temperature: Protected from light, Room temperature

| Parameter   | Limit Values                         | Result                               |
|---|--------------------------------------|--------------------------------------|
| Assay(NH3)  | ≥30 (%)                              | 32.22000 %                           |
| Sulfate(SO42-)                                    | 0-50 (ppm)                           | 40.00000 ppm                         |
| Heavy metal (as Pb)                               | 0-10 (ppm)                           | 8.00000 ppm                          |
| Chloride (Cl-)                                    | 0-20 (ppm)                           | 16.90000 ppm                         |
| Ignition Residue                                  | 0-0.01 (%)                           | 0.00310 %                            |
| Iron(Fe)  | 0-10 (ppm)                           | 8.99700 ppm                          |
| Appearance (A110371)                              | White Powder, Crystals and/or Chunks | White Powder, Crystals and/or Chunks |
| Infrared spectrum                                 | Conforms to Structure                | Conforms to Structure                |
| Solubility in H2O , Colorless and clear (0.1g/ml) | pass                                 | Pass                                 |
| X-Ray Diffraction                                 | Conforms to Structure                | Conforms to Structure                |



John Su  
QA & QC Manager