

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2022-03-03 10:12:22  
Date of Next Testing: 2026-03-02 10:12:22  
Product Name: **Ammonium carbonate**  
CAS Number: 506-87-6  
Specifications & Purity: Analytical Reagent, 30% NH<sub>3</sub> basis(T)  
Lot #: C2201092  
SKU #: **A110371**  
Analysis: **079530**

| Parameter                                                     | Limit Values                         | Result                               |
|---------------------------------------------------------------|--------------------------------------|--------------------------------------|
| Assay(NH <sub>3</sub> )                                       | ≥30 (%)                              | 40.34000 %                           |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                       | 0-50 (ppm)                           | 23.85000 ppm                         |
| Heavy metal (as Pb)                                           | 0-10 (ppm)                           | 2.72000 ppm                          |
| Chloride (Cl <sup>-</sup> )                                   | 0-20 (ppm)                           | 10.02000 ppm                         |
| Ignition Residue                                              | 0-0.01 (%)                           | 0.00890 %                            |
| Iron(Fe)                                                      | 0-10 (ppm)                           | 6.50000 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 H <sub>2</sub> O, Colorless and clear (0.1g/ml) | pass                                 | Pass                                 |
| X-Ray Diffraction                                             | Conforms to Structure                | Conforms to Structure                |



John Su  
QA & QC Manager