

## Certificate of Analysis

Date of Testing: 2023-11-20 10:41:09  
Date of Next Testing: 2026-11-19 10:41:09  
Product Name: **Ammonium carbonate**  
CAS Number: 506-87-6  
Specifications & Purity: ACS reagent,  $\geq 30.0\%$  NH<sub>3</sub> basis  
Lot #: K2310076  
SKU #: **A432782**  
Analysis: **281100**

Parameter	Limit Values	Result
NH <sub>3</sub> (Titration by NaOH)	$\geq 30$ (%)	43.11 %
Nonvolatile Matter	0-0.01 (%)	0.00670 %
Insoluble matter(C=20%, H <sub>2</sub> O)	0-0.005 (%)	0.00000 %
Chloride (Cl-)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Heavy Metals (by ICP-OES)	0-5 (ppm)	0.00000 ppm
Sulfur Compounds	0-0.002 (%)	0.00190 %
Appearance(A432782)	White Powder or Chunks	White Powder or Chunks
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager