

Certificate of Analysis

Date of Testing: 2022-03-21 18:46:46

Date of Next Testing: 2026-03-20 18:46:46

Product Name: **Ammonium carbonate**

CAS Number: 506-87-6

Specifications & Purity: Analytical Reagent, 30% NH₃ basis(T)

Lot #: C2219117

SKU #: **A110371**

Analysis: **079530**

Storage Temperature: Protected from light

Parameter	Limit Values	Result
Assay(NH ₃)	≥30 (%)	40.34 %
Sulfate(SO ₄ ²⁻)	0-50 (ppm)	23.85 ppm
Heavy metal (as Pb)	0-10 (ppm)	2.72 ppm
Chloride (Cl ⁻)	0-20 (ppm)	10.02 ppm
Ignition Residue	0-0.01 (%)	0.01 %
Iron(Fe)	0-10 (ppm)	6.50 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 ₂ O , Colorless and clear (0.1g/ml)	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager