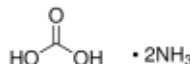


Certificate of Analysis

Product Name:

Ammonium carbonate - ACS reagent, ≥30.0% NH₃ basis

Product Number: 207861
Batch Number: MKCQ2340
Brand: SIGALD
CAS Number: 506-87-6
MDL Number: MFCD00010890
Formula: CH₈N₂O₃
Formula Weight: 96.09 g/mol
Quality Release Date: 01 SEP 2021



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Chunks	Powder
Purity (Titration by NaOH) % NH ₃	≥ 30.0 %	33.8 %
Nonvolatile Matter	≤ 0.01 %	0.01 %
Insoluble Matter C = 20%, H ₂ O	≤ 0.005 %	< 0.005 %
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 5 ppm	< 5 ppm
Heavy Metals by ICP-OES	≤ 5 ppm	< 1 ppm
Sulfur Compounds	≤ 0.002 %	< 0.002 %
Meets ACS Requirements	Current ACS Specification	Conforms



Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

