



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Name:**Ammonium Bicarbonate (Food Grade)**

Product Information

Product Number	ABC-20260228
Batch Number	ABC-SH2026022801
Brand	SIGALD
CAS Number	1066-33-7
MDL Number	MFCD00011322
Formula	NH ₄ HCO ₃
Formula Weight	79.06 g/mol
Quality Release Date	28 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White	White	-	Visual Inspection
Appearance (Form)	Crystalline powder or granular, no caking	Crystalline powder	-	Visual Inspection
Assay (NH ₄ HCO ₃)	≥ 99.2%	99.6%	%	Acid-Base Titration
Moisture Content	≤ 0.5%	0.2%	%	105°C Constant Weight Method
Residue on Ignition	≤ 0.05%	0.02%	%	600°C Ignition Gravimetry
Chloride (as Cl)	≤ 0.005%	0.002%	%	Nitrate Titration
Sulfate (as SO ₄)	≤ 0.005%	0.001%	%	Turbidimetric Method
Heavy Metals (Pb)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.1 ppm	< 0.05 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Iron (Fe)	≤ 0.001%	0.0003%	%	Colorimetric Method
pH Value (25°C, 10% solution)	7.0-8.5	7.8	-	Digital pH Meter
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification This batch of product has been tested in accordance with industrial standards for food-grade Ammonium Bicarbonate and meets all specified requirements. It is qualified for use as a food additive (leavening agent, acidity regulator).

Issue Date: 28 FEB 2026