



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

Certificate of Analysis (COA)

Product Information

Product Name:Ammonium Hydroxide Solution (28% NH₃ in Water)

Product Number:NH₄OH-20260216

Batch Number:NH₄OH-SH2026021601

Brand:TECHPURE

CAS Number:1336-21-6

MDL Number:MFCD00011321

Formula:NH₄OH (Aqueous Solution)

Formula Weight:35.05 g/mol (Pure NH₃)

Quality Release Date:16 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless	Colorless	-	Visual Inspection
Appearance (Form)	Clear liquid	Clear liquid	-	Visual Inspection
NH ₃ Concentration (w/w)	28.0 ± 1.0%	28.2%	%	Titration Method
Density (20°C)	0.900-0.905 g/cm ³	0.902 g/cm ³	g/cm ³	Density Meter
pH Value (25°C)	11.5-12.5	12.0	-	Digital pH Meter
Heavy Metals (Pb)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 0.1 ppm	0.03 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Iron (Fe)	≤ 1 ppm	0.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Non-Volatile Residue	≤ 0.05%	0.02%	%	Gravimetric Method

Certification

This batch of product has been tested in accordance with industrial standards for ammonium hydroxide solution and meets all specified requirements. It is qualified for industrial and laboratory use.

Issue Date:16 FEB 2026