



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Cysteamine Free 30% (Cysteamine Base 30% Aqueous Solution)

Product Information

Product Number CF-20260220
Batch Number CF-SH2026022001
Brand SIGALD
CAS Number 60-23-1 (Cysteamine Base)
MDL Number MFCD00004814
Formula C_2H_7NS (HSCH₂CH₂NH₂)
Formula Weight 77.15 g/mol
Quality Release Date 20 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless	-	Visual Inspection
Appearance (Form)	Clear transparent liquid, no turbidity	Clear transparent liquid	-	Visual Inspection
Assay (Cysteamine Base)	30.0±1.0%	30.5%	%	Potentiometric Titration with HCl Standard Solution
pH Value (25°C)	10.0-12.0	11.2	-	Digital pH Meter
Density (25°C)	0.98-1.02 g/cm ³	1.00 g/cm ³	g/cm ³	Hydrometer Method
Heavy Metals (Pb)	≤ 5 ppm	0.7 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Iron (Fe)	≤ 10 ppm	2.8 ppm	ppm	Spectrophotometry
Total Bacterial Count	≤ 100 CFU/mL	21 CFU/mL	CFU/mL	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Water Content	69.0-71.0%	69.5%	%	Karl Fischer Titration
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of product has been tested in accordance with industrial standards for Cysteamine Free 30% aqueous solution and meets all specified requirements. It is qualified for use as cosmetic raw material, feed additive, pharmaceutical intermediate and organic synthesis raw material.
Issue Date:20 FEB 2026