



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Cysteamine HCl (Cysteamine Hydrochloride)

Product Information

Product Number CHC-20260228
Batch Number CHC-SH2026022801
Brand SIGALD
CAS Number 156-57-0
MDL Number MFCD00012111
Formula $C_2H_8 \text{ CINS (HSCH}_2\text{CH}_2\text{NH}_2 \cdot \text{HCl)}$
Formula Weight 113.61 g/mol
Quality Release Date 28 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder, no caking	Crystalline powder	-	Visual Inspection
Assay (Cysteamine Hydrochloride)	$\geq 98.5\%$	99.2%	%	Potentiometric Titration
Melting Point	67-71 °C	68.5°C	°C	Melting Point Apparatus
pH Value (5% aq. solution, 25°C)	4.0-6.0	5.1	-	Digital pH Meter
Loss on Drying	$\leq 0.5\%$	0.2%	%	Vacuum Drying Method (105°C, 2h)
Residue on Ignition	$\leq 0.1\%$	0.03%	%	Ignition at 600±50°C
Heavy Metals (Pb)	$\leq 5 \text{ ppm}$	0.6 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	$\leq 1 \text{ ppm}$	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Iron (Fe)	$\leq 10 \text{ ppm}$	2.2 ppm	ppm	Spectrophotometry
Total Bacterial Count	$\leq 100 \text{ CFU/g}$	18 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of product has been tested in accordance with industrial standards for Cysteamine Hydrochloride and meets all specified requirements. It is qualified for use as cosmetic raw material, pharmaceutical intermediate, feed additive and organic synthesis raw material.
Issue Date:28 FEB 2026