



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Cysteamine Thioglycolate (50%)

Product Information

Product Number CTG-50-20260218
Batch Number CTG-SH2026021801
Brand SIGALD
CAS Number 68-11-1 (Cysteamine Thioglycolate)
MDL Number MFCD00012014
Formula $C_4H_{10}N_2O_2S_2$
Formula Weight 186.26 g/mol
Quality Release Date 18 FEB 2026

Test Results

Test	Specification (Industrial/Cosmetic Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless transparent liquid	-	Visual Inspection
Appearance (Form)	Homogeneous liquid, no precipitation	Homogeneous liquid, no precipitation	-	Visual Inspection & Centrifugation Test
Assay (Cysteamine Thioglycolate)	48.0-52.0%	50.8%	%	High Performance Liquid Chromatography (HPLC)
pH Value (25°C)	6.0-8.0	7.2	-	Digital pH Meter
Free Thioglycolic Acid	≤ 1.0%	0.3%	%	Titration Method
Heavy Metals (Pb)	≤ 5 ppm	0.9 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Heavy Metals (Hg)	≤ 0.1 ppm	0.03 ppm	ppm	Cold Vapor Atomic Absorption Spectrometry
Total Bacterial Count	≤ 100 CFU/mL	22 CFU/mL	CFU/mL	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Staphylococcus aureus	Negative	Negative	-	Microbiological Detection
Viscosity (25°C)	20-50 mPa·s	35 mPa·s	mPa·s	Rotational Viscometer
Density (25°C)	1.10-1.20 g/cm ³	1.15 g/cm ³	g/cm ³	Hydrometer Method
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of product has been tested in accordance with industrial and cosmetic standards for Cysteamine Thioglycolate (50%) and meets all specified requirements. It is qualified for use as cosmetic and industrial raw material.

Issue Date: 18 FEB 2026