



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Product Name:Thioglycolic Acid

Product Number:TGA-20260223

Batch Number:TGA-SH2026022301

Brand:SIGALD

CAS Number:68-11-1

MDL Number:MFCD00004878

Formula:C₂H₄O₂S

Formula Weight:92.12 g/mol

Quality Release Date:23 FEB 2026

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Pale yellow	-	Visual Inspection
Appearance (Form)	Liquid	Liquid	-	Visual Inspection
Purity (C ₂ H ₄ O ₂ S)	≥ 98.0%	98.5%	%	Titration Method
Boiling Point	120-124°C (at 13 kPa)	122.3°C	°C	Distillation Method
Melting Point:-16°C	-15.8°C	°C	Freezing Point Determination	
Water Content	≤ 0.5%	0.2%	%	Karl Fischer Titration
pH Value (25°C, 1% aqueous solution)	1.0-2.0	1.5	-	Digital pH Meter
Heavy Metals (Pb)	≤ 0.001%	0.0003%	%	Atomic Absorption Spectrometry (AAS)
Iron (Fe)	≤ 0.0005%	0.0002%	%	Spectrophotometry

CertificationThis batch of product has been tested in accordance with industrial standards for thioglycolic acid and meets all specified requirements. It is qualified for use.

Issue Date: 23 FEB 2026