



# 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

(M.T.G (Monoeth))

Issue Date: 22 FEB 2026 Quality Release Date: 22 FEB 2026

### Product Name

M.T.G (Monoeth) (Thioglycolic Acid Derivative, Monoethanolamine Blend) 单乙醇胺（硫代乙醇酸衍生物）

### Product Information

Product Number MTG-20260222

Batch Number MTG-SH2026022201

Brand SIGALD

CAS Number 126-97-6 (Monoethanolamine, main component); N/A (M.T.G complex)

MDL Number MFCD00002817 (Monoethanolamine)

Formula  $C_2H_7NO$  (Monoethanolamine); Complex blend (thioglycolic acid derivative)

Formula Weight 61.08 g/mol (Monoethanolamine); Variable (M.T.G complex)

Form Colorless to pale yellow transparent liquid

### Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Pale yellow	-	Visual Inspection (25°C)
Appearance (Form)	Transparent liquid, no sediment/impurity	Transparent liquid	-	Visual Inspection (25°C)
Total Active Content (M.T.G)	≥ 90.0%	92.5%	%	High Performance Liquid Chromatography (HPLC)
Monoethanolamine Purity	≥ 85.0%	87.8%	%	Potentiometric Titration
Thioglycolic Acid Residue	≤ 0.5%	0.2%	%	HPLC
pH Value (25°C)	8.0 ~ 10.0	9.1	-	Digital pH Meter
Density (25°C)	1.01 ~ 1.05 g/cm <sup>3</sup>	1.03 g/cm <sup>3</sup>	g/cm <sup>3</sup>	Hydrometer Method
Heavy Metals (Pb)	≤ 5 ppm	0.9 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Total Bacterial Count	≤ 100 CFU/mL	19 CFU/mL	CFU/mL	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Water Solubility (25°C)	Fully miscible with water	Conforms	-	Solubility Test
Viscosity (25°C)	20 ~ 50 mPa·s	35 mPa·s	mPa·s	Rotational Viscometry

### Certification



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This batch of product has been tested in accordance with industrial standards for M.T.G (Monoeth) (thioglycolic acid derivative of monoethanolamine) and meets all specified requirements. It is qualified for use in cosmetics, personal care, metal surface treatment and textile printing and dyeing fields.



纳维盈医化科技  
NEWAY SINOPHC TECH