



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Product Name N,N-Dimethylethanolamine
Product Number DMEA-20260216
Batch Number DMEA-SH2026021601
Brand SIGALD
CAS Number 108-01-0
MDL Number MFCD00002860
Formula $C_4H_{11}NO$
Formula Weight 89.14 g/mol

Quality Release Date 16 FEB 2026

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless	-	Visual Inspection
Appearance (Form)	Liquid	Liquid	-	Visual Inspection
Purity ($C_4H_{11}NO$)	$\geq 99.0\%$	99.5%	%	Gas Chromatography (GC)
Boiling Point	133-135°C	134.2°C	°C	Distillation Method
Melting Point	-59°C	-58.7°C	°C	Freezing Point Determination
Water Content	$\leq 0.5\%$	0.2%	%	Karl Fischer Titration
pH Value (25°C, 1% aqueous solution)	10.0-12.0	11.3	-	Digital pH Meter
Heavy Metals (Pb)	$\leq 0.001\%$	0.0003%	%	Atomic Absorption Spectrometry (AAS)
Iron (Fe)	$\leq 0.0005\%$	0.0002%	%	Spectrophotometry
Refractive Index (25°C)	1.4350-1.4380	1.4365	-	Refractometer

Certification This batch of product has been tested in accordance with industrial standards for N,N-dimethylethanolamine and meets all specified requirements. It is qualified for use.

Issue Date: 16 FEB 2026