



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis

**Product Name: Propylene Glycol Monomethyl Ether (PGME)**

### Product Information

Product Number PGME-20260210  
Batch Number PGME-SH2026021001  
Brand SIGALD  
CAS Number 107-98-2  
MDL Number MFCD00004567  
Formula  $C_4H_{10}O_2$   
Formula Weight 76.12 g/mol  
Quality Release Date 10 FEB 2026

### Test Results

Test	Specification (Industrial Grade Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless	Colorless	-	Visual Inspection
Appearance (Form)	Transparent liquid	Transparent liquid	-	Visual Inspection
Assay (PGME)	≥ 99.5%	99.8%	%	Gas Chromatography (GC)
Water Content	≤ 0.1%	0.03%	%	Karl Fischer Titration
Density (25°C)	0.920-0.925 g/cm <sup>3</sup>	0.923	g/cm <sup>3</sup>	Hydrometer Method
Refractive Index (20°C)	1.402-1.404	1.403	-	Abbe Refractometer
Boiling Range (760mmHg)	120-122°C	121.5°C	°C	Distillation Method
Acidity (as CH <sub>3</sub> COOH)	≤ 0.005%	0.001%	%	Acid-Base Titration
Heavy Metals (Pb)	≤ 2 ppm	0.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.05 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Evaporation Residue	≤ 0.005%	0.001%	%	Gravimetric Method (105°C, 3h)
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

### Certification

This batch of product has been tested in accordance with industrial grade standards for Propylene Glycol Monomethyl Ether (PGME) and meets all specified requirements. It is qualified for use.

Issue Date:10 FEB 2026