

Certificate of Analysis (COA)

Product Information

Product Name:Propylene Glycol (1,2-Propanediol)

Product Number:PG-20260307

Batch Number:PG-SH2026030701

Brand:TECHPURE

CAS Number:57-55-6

MDL Number:MFCD00004725

Formula:C₃H₈ O₂

Formula Weight:76.10 g/mol

Quality Release Date:07 MAR 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless	Colorless	-	Visual Inspection
Appearance (Form)	Clear viscous liquid	Clear viscous liquid	-	Visual Inspection
Purity (GC)	≥ 99.5%	99.7%	%	Gas Chromatography (GC)
Water Content	≤ 0.2%	0.1%	%	Karl Fischer Titration
Density (20°C)	1.035-1.037 g/cm ³	1.036 g/cm ³	g/cm ³	Density Meter
Boiling Range	184.0-188.0°C	185.0-187.5°C	°C	Distillation Test
Non-Volatile Residue	≤ 0.005%	0.002%	%	Gravimetric Method
Heavy Metals (Pb)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 0.1 ppm	0.03 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Acidity (as CH ₃ COOH)	≤ 0.001%	0.0004%	%	Titration Method

Certification

This batch of product has been tested in accordance with industrial standards for propylene glycol and meets all specified requirements. It is qualified for industrial, pharmaceutical, and food-grade use.

Issue Date: 07 MAR 2026