LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Propylene Glycol 99.5%
Item Number: PGF
CAS#: 57-55-6
Grade: USP/FCC
Lot Number: 5002678/3.1
Manufacture Date: 09/29/2026
Expiration Date: 09/28/2029
Country of Origin: United States

Tested Property	Specification	Analysis
Assay (anhydrous basis)	99.50 - 100.00 Wt. %	100.00 Wt. %
Identification A- Infrared Abs.	Spectrometric Determination (IR)	Complies
Identification B- Limit of DEG and EG	Diethylene Glycol, NMT 0.10%	None Detected
	Ethylene Glycol, NMT 0.10%	None Detected
Identification C- GC	Conforms to Reference Chromatogram	Pass
Specific Gravity @ 25ºC	1.035 - 1.037	1.036
Chloride	≤1 ppm	<1 ppm
Sulfate	NMT 60 ppm as Sulfate	<60 ppm
Titrable Acid	NMT 0.0005 meq/g	0.0001 meq/g
Acidity, ml of 0.1N NaOH	Max. 0.20	0.05
Residue on Ignition	Max. 0.005 Wt. %	<0.001 Wt. %
Lead	Max. 1 mg/kg	<1 mg/kg
Color	Max. 10	1
Water	Max. 0.2%	0.02%
Distilling Range	Between 185 - 189ºC	Pass

Store in a cool, dry, and well-ventilated environment away from heat.

Propylene Glycol 99.5%

Note: The information and recommendations of Lab Alley concerning this product are based upon

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