

Certificate of Analysis

Product: Propylene Glycol 99.5%
Item Number: PGF
CAS#: 57-55-6
Grade: USP/FCC
Lot Number: 5002227/1.1
Manufacture Date: 01/27/2026
Expiration Date: 01/26/2029
Country of Origin: United States

Tested Property	Specification	Analysis
Appearance	Clear and free	Complies
Assay	99.50 - 100.00 Wt. %	100.00
Identification A	Spectrometric Determination (IR)	Complies
Identification Test	To Pass the Test	Complies
Color	Max. 10 APHA	0
Water	≤0.2 Wt. %	0.002
Refractive Index @ 25°C	1.430 - 1.434	1.4314
Specific Gravity @ 25°C	1.035 - 1.037	1.036
Specific Gravity @ 20°C	1.037 - 1.039	1.038
Iron	≤0.1 ppm	0.00
Chlorides	≤0.5 ppm	0.00
Arsenic	≤1 ppm	Pass
Sulphate	≤60 ppm	0
Acetic Acid	Max. 0.002 Wt. %	0.0001
Acidity, ml of 0.01N NaOH	Max. 1.67	0.097
Acidity, ml of 0.1N NaOH	Max. 0.200	0.010
Initial Boiling Point	186.0 - 189.0°C	186.8
Dry Point	186.0 - 189.0°C	187.3
Residue on Ignition	Max. 0.007 Wt. %	0.000
Heavy Metals	Max. 5.0 ppm	0.0

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Dipropylene Glycol	Max. 0.10 Wt. %	0.00
Odor	To Pass the Test	Pass
Limit of EG	Max. 0.10%	Pass
Limit of DEG	Max. 0.10%	Pass

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

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Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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