

Certificate of Analysis

Product: Propylene Glycol 99.5%
Item Number: PGF
Grade: USP/NF/FCC
Lot Number: 0002831990
Manufacture Date: 05/06/2022
Expiration Date: 12/31/2024
Country of Origin: United States

Tested Property	Specification	Analysis
Visual	Clear/Clean free of suspended particles	Passes
Odor	Odorless	Odorless
Color	Colorless	Passes
Water Content, %	Max. 0.2	0.012
Specific Gravity @ 25Å,Å°C	1.035 - 1.037	1.0356
Refractive Index	1.4310 - 1.4330	1.4313
Identification A, by IR	Identified as Propylene Glycol	Passes
Identification B, Limit % DEG	Max. 0.1	Passes
Identification B, Limit % EG	Max. 0.1	Passes
Identification C	Retention is equal for sample standard	Passes
Acidity as acetic acid, weight %	Max. 0.002	0.0006
Appearance	To pass test	Passes
PG retention time, ID test C	To pass test	Passes
Chlorides, ppm	Max. 0.5	<0.5
Color, Pt-Co, APHA	Max. 10	5
Heavy metals as Pb, weight ppm	Max. 5	<1
Iron, weight ppm	Max. 0.5	<0.01
Suspended Matter	To pass test	Passes
Residual Solvents	To pass test	Passes
Assay as PG, dry basis, %	Min. 99.90	99.97

Phone: 512-668-9918, Fax: 512-886-4008,
E-mail: Customerservice@laballey.com,
www.laballey.com.

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

© copyright: 2023 Lab Alley

Visual	Clear/Clean free of suspended particles	Passes
Odor	Odorless	Odorless
Color	Colorless	Passes
Water Content, %	Max. 0.2	0.012
Specific Gravity @ 25°C	1.035 - 1.037	1.0356
Refractive Index	1.4310 - 1.4330	1.4313
Identification A, by IR	Identified as Propylene Glycol	Passes
Identification B, Limit % DEG	Max. 0.1	Passes
Identification B, Limit % EG	Max. 0.1	Passes
Identification C	Retention is equal for sample standard	Passes
Acidity as acetic acid, weight %	Max. 0.002	0.0006
Appearance	To pass test	Passes
PG retention time, ID test C	To pass test	Passes
Chlorides, ppm	Max. 0.5	<0.5
Color, Pt-Co, APHA	Max. 10	5
Heavy metals as Pb, weight ppm	Max. 5	<1
Iron, weight ppm	Max. 0.5	<0.01
Suspended Matter	To pass test	Passes
Residual Solvents	To pass test	Passes
Assay as PG, dry basis, %	Min. 99.90	99.97

[Propylene Glycol 99.5%](#)

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.

This document was electronically issued and is therefore valid without a signature.