

Certificate of Analysis

(Representative Sample Certificate)

Product Name: Propylene Glycol
INCI Name: Propylene Glycol
CAS Number: 57-55-6
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 24 months from production date

Characteristic	Specification	Results
Acidity (as Acetic acid)	0.0020% MAX	0.0006%
Appearance	Pass	Pass
Assay as PG (on a dry basis)	99.90% MIN	99.95%
PG Retention Time (ID Test C)	Pass	Pass
Chlorides	0.5 ppm MAX	<0.5 ppm
Color (Pt-Co)	10 APHA MAX	2 APHA
Heavy Metals (as Pb)	5 ppm MAX	<1 ppm
Iron	0.50 ppm MAX	0.03 ppm
Odor	Pass	Pass
Suspended Matter	Pass	Pass
Residual Solvents	Pass	Pass
Water	0.200% MAX	0.003%
Diethylene Glycol	0.008% MAX	<0.001%
Ethylene Glycol	0.008% MAX	<0.001%
Arsenic (as As)	1 ppm MAX	<1 ppm
CONEG Metals	Pass	Pass
Distillation IBP @ 760 mmHg	186.0 °C MIN	186.0 °C
Distillation DP @ 760 mmHg	189.0 °C MAX	188.5 °C

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy themselves as to the suitability & completeness of such information for their own particular use.

IR Spectrum	Pass	Pass
Oxidiz. Subst. (as mL Thiosulfate)	0.2 mL MAX	0.0 mL
Reducing Substances	Pass	Pass
Refractive Index @ 20 °C	1.4310-1.4330	1.4328
Residue on Ignition	0.0050% MAX	0.0010%
Solubility @ 25 °C	Pass	Pass
Specific Gravity @ 20/20 °C	1.0377-1.0389	1.0387
Specific Gravity @ 25/25 °C	1.0352-1.0364	1.0358
Sulfate	0.006% MAX	<0.006%
Acidity (mL 0.1N NaOH/10mL)	0.03 MAX	0.01

“Certified in compliance with the terms of the US-Canada Organic Equivalency Arrangement. The above data was obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.”

This report is not to be signed. All data are as per our supplier.

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy themselves as to the suitability & completeness of such information for their own particular use.