

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
Appearance	No Visible Contamination	Pass
Description	Clear, Slightly Vicous	Pass
Water Solubility	Soluble in all Proportions	Pass
I.D. by Infra-red color, PT-CO	10 Max	5
Specific Gravity (25/25 °C)	1.035-1.037	1.0358
Acidity (ml 0.1 N NaOH)	0.20 ml Max	0.0 ml
Water, wt%	0.20% Max	0.03%
Residue on Ignition	3.5mg/50 g Max	0.3mg
Chloride	0.05 PPM Max	<0.5 PPM
Heavy Metals	5 PPM Max	<5 PPM
Sulfate	0.006% Max	<0.006%
Assay G.C	99.5% Min	99.9%
Limit of EG and DEG, WT %Max	0.1% Max Each	Pass
Organic Volatile Impurities	To Pass	Pass

All product characteristic test methods conform to USP/NF

This product does not contain bovine, ovine, or caprine materials of any type.

The above data were 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.

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