

Certificate of Analysis

(Representative Sample Certificate)

Product Name: Glycerin, USP
INCI Name: Glycerin
CAS Number: 56-81-5
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 24 months from production date

Property	Specification	Analysis
Assay	99.0-101.0% (anhyd.)	100.08%
Color (APHA)	10 MAX	0
Fatt Acids & Esters	1.0 MAX	0.16
Residue on Ignition	0.01% MAX	0.01%
Specific Gravity @ 25°C	1.249 MIN	1.2614
Water	0.3% MAX	0.088%
Identification A by IR (Glycerin)	Passes test	Pass
Identification B by GC (Limit of DEG & EG)	0.10% DEG & EG MAX	Pass
Identification C by GC (Glycerin)	Passes test	Pass
Related Compounds by GC	0.1% each; 1.0% MAX	Pass
Chlorides	10 ppm MAX	Pass
Sulfate	20 ppm MAX	Pass
Heavy Metals	5 ppm MAX	Pass
Chlorinated Compounds	30 ppm MAX	Pass
Assay Equivalent	99.7% MIN	99.75%

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. All data are as per our supplier.

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