

CERTIFICATE OF ANALYSIS

Product Name:	Glycerin, USP		
INCI Name:	Glycerin		
CAS Number:	56-81-5		
Batch Number	20221025	Manufacture Date	20221025
Report Date	20221025	Expiry Date	20241024

Test Items	Specifications	Results
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%

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging

