

**Certificate of Analysis**

**Product: Glycerin 99% USP/NF/FCC/Food Grade, Kosher, Halal**  
**Item Number: GLF**  
**CAS#: 56-81-5**  
**Grade: USP/FCC**  
**Lot Number: 5002193/1.1**  
**Manufacture Date: 04/09/2026**  
**Expiration Date: 04/08/2029**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Appearance	Clear viscous liquid	Pass
Assay	NLT 99.7%	100.0
Identification A: IR	Conforms to USP Standard	Pass
Identification B: Limit DEG, EG	NMT 0.10% each	Pass DEG Pass EG
Identification C: GC Confirmation	Conforms to USP Standard	Pass
Color	Pass USP test	Pass
	APHA, Pt-Co, 10 max	Pass
Water Content	NMT 0.3%	0.1770
Inorganic Impurities A: Heavy metals	NMT 5 ppm	0.202
Inorganic Impurities B: Residue on Ignition	NMT 0.01%	0.00
Inorganic Impurities C: Sulfates	NMT 20 ppm	Pass
Inorganic Impurities D: Chlorides	NMT 10 ppm	Pass
Organic Impurities A: Fatty acids and Esters	NMT 1mL 0.5N NaOH	0.28
Organic Impurities B: Related Compounds	Individual Imp. (NMT 0.1%)	Pass
	Total Imp. (NMT 1.0%)	Pass
Organic Impurities C: Limit of Chlorinated Comp.	NMT 30 ppm	Pass
Specific Gravity at 25°C	NLT 1.249	1.262

Store in a cool, dry, and well-ventilated environment.

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