

**PRODUCT SPECIFICATION SHEET**
**GLYCERIN**

Meets USP/NF/FCC Monographs

NATURAL, KOSHER

Main Catalog No: 349000FCC-Size Code\*

\*Refer to Master Price List – Individual package sizes have unique size codes

PRODUCT SPECIFICATIONS	MONO GRAPH	LIMITS	TYPICAL ANALYSIS
Assay on anhydrous basis	USP/FCC	99.0-101.0%	99.9%
Identification Test A	USP/FCC	Conforms to Infrared Spectra	Pass
Identification test B	USP FCC	Ethylene Glycol, NMT 0.1% Diethylene Glycol, NMT 0.1% Conforms to sample solution	<0.1% <0.1% Pass
Identification Test C	USP	Matches GC scan	Pass
Specific Gravity	USP FCC	NLT 1.249@25°C NLT 1.259 @25°C	1.262
Inorganic Impurities - Chloride and Sulfate (as Chloride)	USP	NMT 10ppm	<10 ppm
Inorganic Impurities - Chloride and Sulfate (as Sulfate)	USP	NMT 20ppm	<10 ppm
Inorganic Impurities - Lead	FCC	NMT 1 mg/kg	<1 mg/kg
Organic Impurities - Related Compounds	USP	Individual Impurities NMT 0.1% Total Impurities NMT 1.0%	Pass
Organic Impurities – Limit of Chlorinated Compounds Chlorinated Compounds (as Cl)	USP FCC	NMT 30ppm of Cl NMT 0.003%	<30 ppm <0.003%
Organic Impurities - Fatty Acids and Esters	USP/FCC	NMT 1mLof 0.5N NaOH is consumed	Pass
Color	USP/FCC	To Pass Test	Pass
Readily Carbonizable Substances	FCC	To Pass Test	Pass
Residue on Ignition	USP FCC	NMT 0.01% NMT 0.01%	<0.005%
Water	USP FCC	NMT 5.0% NMT 1.0%	0.09%

Hygroscopic

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.

Form: Glycerin, USP/FCC, Rev. 2.3, 05/19, PJM