

PRODUCT SPECIFICATIONS

Specification Date: December 19, 2013

GL-99.7 USP GLYCERINE	
CHARACTERISTICS	FOOD GRADE
Glycerine Content	99.7% Minimum
Specific Gravity Density meter: 25°/25°C	1.2613 Minimum
Assay, % Glycerine on anhydrous basis	99.0-101.0
Moisture Value %	0.3 Max
Color APHA Pt-Co (Hazen) Scale	20 Maximum
Residues on Ignition	0.01% or 100 ppm Max
Chlorides (as Chlorine)	0.001% or 10 ppm Max
Sulfates	0.002% or 20 ppm Max
Heavy Metals (as Pb)	0.0005% or 5 ppm Max
Chlorinated Compounds (as Cl)	0.003% or 30 ppm Max
Fatty Acids & Esters	1.0 ml Max
Identification B by GC: Diethylene Glycol (DEG) & Ethylene Glycol	DEG Impurity ≤ 0.1% EG Impurity ≤ 0.1%
Identification C by GC	Passes test as glycerine
Identification A by IR	Passes test as glycerine
Related Compounds	Individual Impurity ≤ 0.1% Sum of all impurities ≤ 1.0%
Residual Solvents	Compliant with USP 467
CAS Number	56-81-5

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