



# PRODUCT SPECIFICATIONS

Product Name: Glycerin, 99.7% USP\*, GMO Vegetable

Product Code: TRG100

Chemical Name: Glycerol

CAS Number: 56-81-5

\*For excipient use only. Complies with USP-NF (US Pharmacopeia-National Formulary) and FCC (Food Chemical Codex) specifications.

<u>Properties</u>	<u>Specifications</u>	<u>Methods</u>
Color, APHA	10 max	Td 1b-64
Color, Ferric Chloride	Passes	USP/NF
Identification A, IR	Passes as glycerin	USP #197F
Identification B, Limit of DEG & EG	Passes ( $\leq 0.1\%$ of each DEG & EG)	USP/NF
Identification C, GC	Passes glycerin	USP/NF
Specific Gravity (SG)	1.249 min @25/25°C	USP #841
Glycerin (calc. from Sp. Gr.)	99.7% min	USP #841
Residue on Ignition (ROI)	0.01% max	USP #281
Water	0.3% max	USP #921
Chloride	Passes (10ppm or 0.001% max)	USP #221
Sulfate	Passes (20ppm or 0.002% max)	USP #221
Elemental Impurities	Meets Oral PDE Limits	USP #232 & 233
Limit of Chlorinated Comps.	Passes (30ppm or 0.003% max)	USP/NF
Fatty Acids & Esters (FA & E)	1 ml. max of 0.5N NaOH consumed	USP/NF
Related Compounds	$\leq 0.1\%$ any other individual impurity and $\leq 1.0\%$ for total impurities	USP/NF
Assay, anhydrous	99.0 - 101.0%	USP/NF
Residual Class 1 & 2 Solvents	Passes	USP #467

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