

GLYCERIN, 99.7% NATURAL

USP/FCC, Kosher

Piedmont's 99.7% glycerin (USP/FCC grade) is suitable for food and potable water applications requiring kosher certification, produced entirely from vegetable based raw materials, and is certified GMO free. The product is also certified for excipient applications in the pharmaceutical industry (not recommended for API uses).

Property	Specification	Typical Results
Appearance	Colorless	Clear, colorless
Identification tests		
(i) Infrared absorption test	Pass the test	Passed
(ii) GC/FID test of glycerin, DEG & EG	Pass the test	Passed
Related compounds	Max. 0.1% of any individual impurity, not including solvents & DEG; max. 1.0% total impurities	Passed
Assay, C ₃ H ₈ O ₃ calculated on anhydrous basis	99.7% ≤	99.86%
Water wt. %	<0.3%	0.06%
Specific gravity, 25/25	1.260 ≤	1.261
Color, APHA	10 ≥	<5
Residue on ignition (ash), %W/W	0.01% ≥	<0.001%
Chloride, ppm	10 ppm ≥	<5
Sulfates, ppm	20 ppm ≥	<20
Total heavy metals (as Pb)	5 ppm ≥	<5
Lead, Pb	1 ppm ≥	<1
Chlorinated compound (as Cl), ppm	30 ppm ≥	<30
Fatty acids and esters, ml/50g, per current USP	Pass test (1 ml of 0.5 N NaOH ≥)	<1
Readily carbonizable substances	Pass the test	Passed
CAS No. 56-81-5	Formula: : C ₃ H ₈ O ₃	M.W. 92.09

TYPICAL PHYSICAL PROPERTIES

Clear and colorless viscous liquid, odorless, sweet taste; soluble in water, alcohol; insoluble in ether, benzene, chloroform; density: 1.26201 (25/25 C); melting point 17.8 °C; boiling point 290 °C; flash point 176 °C; ref. index 1.4730 (25 °C)

REVALUATION DATE AND STORING CONDITION

24 months of production date; store in air-tight containers, in dry area

USES:

- Potable water
- Brackish and seawater
- Wastewater
- Lubricants and softener

For additional information, consult MSDS or contact with Piedmont.

All information is based on data obtained from the manufacturer and recognized technical sources. Piedmont is not liable for any damages resulting from the use or non-use of the information.

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