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## Typical Product Specifications & Properties

# Organic Glycerin

CAS Number: : 56-81-5

Specifications	Limits
Density	1.26201 (2525 c)
Arsenic	Less than 1 mg/kg
Appearance	To conform to EP
Solubility	Lightly soluble in acetone, insoluble in ether and other organic solvents
Density (25°C)	1.257 - 1.275 g/cm <sup>3</sup>
Refractive Index @ 20° C	1.471 - 1.474
Water Content	Up to 2%
Halogenated compound	Up to 35 mg/kg
Aldehydes	Up to 10 ppm
Impurity A & related substances	Conform EP
Chlorides	Up to 10 ppm
Heavy Metals	Up to 5 mg/kg



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Specifications	Limits
Lead	Less than 1 mg/kg
Hg	Less than 0.1 mg/kg
Acidity & Alkalinity	Up to 0.2 ml
Cadmium	Less than 0.1 mg/kg
Impurity A	Up to 0.1 ml
Solubility	Soluble in water and alcohol
Glycerol Content	At least 99.5%
Ester content	At least 8 ml HCL 0.1M
Sulfuric ashes at 800 ± 25°C	Up to 0.01%
Organochlorine & organophosphorus pesticide residues	Not detectable
Odor	odorless, sweet taste
Insolubility	in ether, benzene, chloroform



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Specifications	Limits
Melting Point	17.8 c
Refractive Index	1.4730 (25 c)
Molecular weight	92.09
Color	clear colorless syrupy liquid
Flash Point	(oc) 176 c
Specifications	Limits
Boiling Point	290 c (dec.)
EINECS	200-289-5
InChI	PEDCQBBHIVMGVHV-UHFFFAOYSA-N
InChIKey	1S/C3H8O3/c4-1-3(6)2-5/h3-6H,1-2H2



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