

Propylene Glycol / Glycerin

Humectant and co-solvent

Product Description

Pharmaceutical-grade Propylene Glycol and Glycerin (Glycerol) are used as humectants, co-solvents and preservatives in liquid, topical and semi-solid formulations. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 2905.32

CAS Number: Propylene Glycol: 57-55-6 / Glycerin: 56-81-5

Parameter	Specification	Test Method
Appearance (PG)	Clear colorless viscous liquid	Visual
Appearance (Glycerin)	Clear colorless viscous liquid	Visual
Assay (Propylene Glycol)	99.5–100.5%	GC / USP method
Assay (Glycerin)	"e 99.5 %	Periodic acid method / GC
Density PG at 25°C	1.035–1.037 g/cm ³	ASTM D4052
Density Glycerin at 25°C	1.258–1.263 g/cm ³	ASTM D4052
Water Content (PG)	"d 0.2 %	Karl Fischer
Water Content (Glycerin)	"d 0.5 %	Karl Fischer
Heavy Metals (both)	"d 5 ppm	ICP-MS

Physical Properties

Appearance: Both are clear colorless viscous odorless liquids

Odor: Practically odorless

Solubility: Both are miscible with water and ethanol

Packing: 25 kg / 230 kg HDPE drums; IBC 1000 L; 5 L / 25 L HDPE cans for pharma

Storage: Store in cool, dry, well-ventilated area. Keep containers tightly closed (Glycerin is hygroscopic).

Safety & Handling

PPE: Gloves and goggles for bulk handling

Hazards:

- Very low toxicity – both are GRAS for food/pharma
- PG may be mildly irritating to eyes