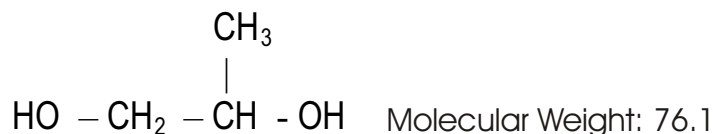




+++++ **TECHNICAL DATA SHEET**

**PROPYLENE GLYCOL I.P**



**DESCRIPTION**

Propylene Glycol I.P. meets the requirement of the Indian Pharmacopoeia.. Propylene Glycol I.P. is a clear, colourless liquid used as a solvent in the extraction of crude drugs.It is also used in liquid preparations in pharmaceutical industry. A solvent for flavours,extracts,drug and food anti-oxidants; a heat transfer medium; an emollient and humectant and plasticizers for tobacco products, baked foods, coconut, cellophane, adhesives and paper products.

**SALES SPECIFICATION**

S.NO	CHARACTERISTICS	UNIT	SPECIFICATION
1	Description	--	Clear, colourless,Viscous liquid, Practically Odourless, Hygroscopic.
2	Solubility	---	Miscible with water, ethanol (95%), acetone and chloroform.
3	Identification A, B & C	---	To meet IP requirements.
4	Acidity	---	NMT 0.05 ml of 0.1 M Sodium Hydroxide is required
5	Clarity and Colour	---	Clear and colourless
6	Boiling Range	°C	184 -189
7	Relative Density @ 25°C	---	1.035 - 1.040
8	Refractive Index @ 20°C	---	1.431 - 1.433
9	Heavy Metals	---	NMT 5ppm (Method D)
10	Oxidising substances	---	NMT 0.2ml of 0.05M Sodium thiosulphate is required
11	Reducing substances	---	To meet IP requirements
12	Other Glycols	---	No peaks corresponding to ethylene glycol and diethyleneglycol are obtained
13	Sulphated ash	% w/w	NMT 0.01, determined on 50g
14	Water	% w/w	NMT 0.2, determined on 5g.
15	* Assay as propylene glycol C <sub>3</sub> H <sub>8</sub> O <sub>2</sub> by GLC	% w/w	NLT 99.5

(The above specification is as per IP - 1996) : \* This is an additional requirement as per U.S.P

**PACKING SIZE: 215 kg Nett.**

**STORAGE AND HANDLING**

PROPYLENE GLYCOL IP is stable over long periods of storage. Store in dry cool locations. Being an hygroscopic material it should be kept air tight.

**SHELF LIFE : 5 YEARS**

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