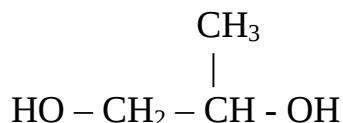


PRODUCT DATA SHEET
PROPYLENE GLYCOL I.P./ BP/ USP
DESCRIPTION

Propylene Glycol IP/BP/USP meets the requirement of the Indian Pharmacopoeia. Propylene Glycol IP/BP/USP 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 flavors, 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. It is used as an inhibitor of fermentation and mold growth.


SALES SPECIFICATION

Characteristics	Unit	Specification
Description	----	Clear Colourless, Viscous liquid. Practically Odourless, Hygroscopic.
Solubility	----	Miscible with water, ethanol (95%), acetone and chloroform.
Identification A,B&C	----	To meet IP/USP/BP/Ph.Eur requirements.
Acidity	----	NMT 0.05 ml of 0.1M Sodium Hydroxide is required
Clarity and Colour	----	Clear and colourless.
Boiling Range	°C	184 – 189
Relative Density @ 25° C	----	1.035 – 1.037
Refractive Index @ 20° C	----	1.431 – 1.433
Heavy metals	----	NMT 5ppm (Method D)
Oxidising substances	----	NMT 0.2ml of 0.05M Sodium thiosulphate is required.
Reducing substances	----	To meet IP requirements.
Ethylene Glycol & Di Ethylene Glycol	----	No peaks corresponding to ethylene glycol and diethylene glycol are obtained.
*Residue on Ignition	% w/w	NMT 0.007
Sulphated ash	% w/w	NMT 0.01, determined on 50g
Water	% w/w	NMT 0.2, determined on 5g.
*Assay as propylene glycol C ₃ H ₈ O ₂ by GLC	% w/w	NLT 99.8
*Chloride	% w/w	NMT 0.007
*Sulphate	% w/w	NMT 0.006

*Additional requirements as per U.S.P

NMT-NOT MORE THAN, NLT-NOT LESS THAN

STORAGE AND HANDLING

PROPYLENE GLYCOL – IP/BP/USP is stable over long periods of storage. Store in a room temperature, well ventilated area in sealed containers. Store away from strong oxidizing agent or combustible material. Keep away from UV light as this may adversely affect the quality. Shelf life : 5 years

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