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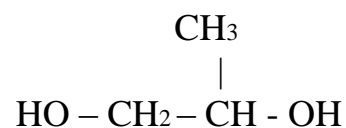


MANALI
PETROCHEMICALS

PRODUCT DATA SHEET

PROPYLENE GLYCOL – USP

PROPYLENE GLYCOL – USP



DESCRIPTION Propylene Glycol – United State Pharmacopoeia Grade meets the requirement of the U.S Pharmacopoeia. It 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 emolient 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. Miscible with water, acetone and chloroform.
Identification a)By IR	--	The Infrared absorption spectrum of the test sample should match the spectrum obtained from propylene glycol reference standard
b)Diethylene glycol and ethylene glycol		NMT 0.10% of diethylene glycol NMT 0.1% of ethylene glycol
c)RT by GC		The retention time of propylene glycol peak in the chromatogram of the sample solution correspond to that obtained in the chromatogram of the standard solution in identification test B

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Specific gravity at 25 °C	--	1.035 – 1.037
Acidity	--	NMT 0.2ml of 0.1N NaOH is required
Water	% w/w	NMT 0.20
Residue on ignition	% w/w	NMT 0.007
Chloride	% w/w	NMT 0.007
Sulphate	% w/w	NMT 0.006
Arsenic (as As)	ppm w/w	NMT 3
Heavy metals	ppm w/w	NMT 5
Assay – Content of Propylene Glycol (C₃H₈O₂) by GLC	% w/w	NLT 99.5
*Boiling point	°C	184 – 189

The above specification is as per USP.

*This is an additional requirement as per B.P.

NMT-NOT MORE THAN

NLT-NOT LESS THAN

PACKING SIZE 215 kg nett.

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STORAGE AND HANDLING PROPYLENE GLYCOL – USP is stable over long periods of storage. Store in dry cool locations. Being a hygroscopic material it should be kept air tight.

Shelf life : 5 year

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