



PRODUCT SPECIFICATION SHEET

Product Name	Propylene Glycol
Grade	USP/EP
Catalog #	3696991
Date:	12-Aug-2025
Manufactured by	Confidential
Packaged by:	Greenfield Global LFS Ireland Limited, IDA Business & Technology Park Mountrath Road, Portlaoise, Laois, R32 PXV6, Ireland

TEST	METHOD	SPECIFICATION
Assay (on anhydrous basis) (USP)	Internal	NLT 99.5%
Identification A - Infrared Absorption	USP	Conforms to Reference Spectra
Identification B – Limit of DEG and EG (USP)	Internal	NMT 0.10% for diethylene glycol
Identification B – Limit of DEG and EG (USP)	Internal	NMT 0.10% for ethylene glycol
Identification B – Refractive Index	EP	1.431 – 1.433 @ 20°C
Identification D - IR	EP	Conforms to Reference Spectra
Identification A - Relative Density	EP	1.035 – 1.040 @ 20°C
Specific Gravity	USP	1.035 – 1.037 @ 25°C
Identification C – GC (USP)	Internal	Conforms to Reference Chromatogram
Appearance	EP	It is clear and colourless
Acidity	USP	NMT 0.20 mL 0.10N NaOH
Acidity	EP	NMT 8.3 mL 0.01M NaOH
Inorganic Impurities - Residue on Ignition	USP	NMT 3.5mg
Sulfated Ash	EP	NMT 5mg (0.01% max.)
Inorganic Impurities – Chloride and Sulfate	USP	NMT 70ppm as Chloride
Inorganic Impurities – Chloride and Sulfate	USP	NMT 60ppm as Sulfate
Oxidizing Substances	EP	Meets Requirements of Test
Ethylene Glycol (EP)	Internal	NMT 620 ppm
Diethylene Glycol (EP)	Internal	NMT 0.10%
Reducing Substances	EP	Meets Requirements of Test
Water	USP	NMT 0.2%
Water	EP	NMT 0.2%

Greenfield Global LFS Ireland Limited, IDA Business & Technology Park
Mountrath Road, Portlaoise, Laois, R32 PXV6, Ireland
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Certification and Compliance Statements

This lot of Propylene Glycol complies with all of the current requirements listed in the United States Pharmacopoeia and European Pharmacopoeia.

GMP Compliance: This product is processed and packaged in compliance with excipient Good Manufacturing Practices.

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.