

Propylene Glycol

Grade: USP/FCC

Catalog number: 369USP/FCC

Test	Mono-graph	Specification	Typical Result
Identification A – Infrared Absorption	USP	Conforms to Reference Spectrum	Pass
Identification – Infrared Absorption	FCC	Conforms to Reference Spectrum	Pass
Identification B – Limit of DEG and EG	USP	Diethylene Glycol, NMT 0.10%	None Detected
Identification B – Limit of DEG and EG	USP	Ethylene Glycol, NMT 0.10%	None Detected
Identification C – GC	USP	Conforms to Reference Chromatogram	Pass
Assay (on anhydrous basis)	USP	NLT 99.5%	99.99 %
Assay (on anhydrous basis)	FCC	NLT 99.5%	99.99 %
Inorganic Impurities - Residue on Ignition	USP	NMT 3.5mg	LT 3.5 mg
Residue on Ignition	FCC	NMT 0.007%	LT 0.001%
Inorganic Impurities – Chloride and Sulfate	USP	NMT 70ppm as Chloride	LT 70 ppm
Inorganic Impurities – Chloride and Sulfate	USP	NMT 60ppm as Sulfate	LT 60 ppm
Specific Gravity	USP	1.035 – 1.037 @ 25°C	1.035
Specific Gravity	FCC	1.035 – 1.037 @ 25°C	1.035
Acidity	USP	NMT 0.20 mL 0.10 N NaOH	0.05 mL
Acidity	FCC	To Pass Test	Pass
Water	USP	NMT 0.2%	0.03 %
Inorganic Impurities - Water	FCC	0.2% Max.	0.03 %
Distilling Range	FCC	Between 185°C – 189°C	Pass

Test	Mono-graph	Specification	Typical Result
Inorganic Impurities - Lead	FCC	NMT 1 mg/kg	LT 1 mg/kg

Certification and Compliance Statements

This product complies with all of the current requirements listed in the United States Pharmacopeia and Food Chemical Codex. Certain test data have been supplied by third parties.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

No chemicals whatsoever are used as solvents at any point in the manufacture, processing or packaging of Propylene Glycol.

Greenfield Products are for further commercial manufacturing, laboratory use, or research. Greenfield is not registered with the United States Food and Drug Administration (FDA) as a drug manufacturing facility. Greenfield products are not registered with the FDA as active pharmaceutical ingredients in drug manufacturing. Appropriate/legal use of all products are the responsibility of the user and subject to applicable local laws and regulations.