

Propylene Glycol

Kosher

Grade: ACS/USP/FCC

Catalog number: 369000000

Test	Mono-graph	Specification	Typical Result
Assay (on anhydrous basis)	ACS	NLT 99.5%	99.9%
Assay (on anhydrous basis)	USP	NLT 99.5%	99.99 %
Assay (on anhydrous basis)	FCC	NLT 99.5%	99.99 %
Color	ACS	NMT 10	1
Residue on Ignition	ACS	NMT 0.005%	LT 0.001%
Inorganic Impurities - Residue on Ignition	USP	NMT 3.5mg	LT 3.5 mg
Residue on Ignition	FCC	NMT 0.007%	LT 0.001%
Titration Acid	ACS	NMT 0.0005 meq/g	0.0001 meq/g
Acidity	USP	NMT 0.20 mL 0.10 N NaOH	0.05 mL
Acidity	FCC	To Pass Test	Pass
Chloride	ACS	NMT 1 ppm	LT 1 ppm
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
Water	ACS	0.2% Max.	0.02%
Water	USP	NMT 0.2%	0.03 %
Inorganic Impurities - Water	FCC	0.2% Max.	0.03 %
Identification A – Infrared Absorption	USP	Conforms to Reference Spectrum	Pass

Test	Mono-graph	Specification	Typical Result
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
Specific Gravity	USP	1.035 – 1.037 @ 25°C	1.035
Specific Gravity	FCC	1.035 – 1.037 @ 25°C	1.036
Inorganic Impurities - Lead	FCC	NMT 1 mg/kg	LT 1 mg/kg
Distilling Range	FCC	Between 185°C – 189°C	Pass

Certification and Compliance Statements

This product complies with all of the current requirements listed in the American Chemical Society, United States Pharmacopeia, and Food Chemical Codex monographs.

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.

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