



PRODUCT SPECIFICATION SHEET

PROPYLENE GLYCOL

1,2-Propanediol

Meets REAGENT ACS & USP/NF GRADE Monographs

KOSHER

Main Catalog Number - ACS: 369000000*, 369000ACS-Size Code*, zp369000ACS-Size Code*

Main Catalog Number – USP/NF: 369USP/NF-Size Code*, zp369USP/NF-Size Code*

Alternate Catalog Number – zc3690000CP-Size Code*

Available in the following sizes:

* Individual package sizes have unique size codes

TEST	MONO-GRAPH	SPECIFICATION	TYPICAL RESULT
Assay (on anhydrous basis)	ACS USP	NLT 99.5%	99.93%
Identification A – Infrared Absorption	USP	Conforms to Reference Spectrum	Conforms
Identification B – Limit of Diethylene Glycol and Ethylene Glycol	USP	Ethylene Glycol, NMT 0.1% Diethylene Glycol, NMT 0.1%	<0.1% <0.1%
Identification C – GC	USP	Conforms to Reference Chromatogram	Pass
Specific Gravity	USP	1.035 – 1.037 @ 25°C	1.035
Color (APHA)	ACS	NMT 10	<5
Acidity	USP	NMT 0.20 mL 0.10N NaOH	Pass
Titration Acid	ACS	NMT 0.0005 meq/g	< 0.0001 meq/g
Inorganic Impurities - Residue on Ignition	USP	NMT 3.5mg	<3.5mg
Residue on Ignition	ACS	NMT 0.005%	<0.005%
Inorganic Impurities – Chloride and Sulfate Chloride (Cl)	USP ACS	NMT 70ppm as Chloride NMT 1ppm	<1ppm
Inorganic Impurities – Chloride and Sulfate	USP	NMT 60ppm as Sulfate	<10ppm
Elemental Impurities	USP <232> & <233>	Complies with requirements	Complies*
Water	USP ACS	NMT 0.20%	0.03%

*For specific results on individual metals, please inquire.

Form: Propylene Glycol-KOSHER, ACS/USP/NF, #101, rev.3.1, 08/16, AM

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.