

CERTIFICATE OF ANALYSIS
PROPYLENE GLYCOL
Meets REAGENT ACS & USP/NF Grade Monographs
KOSHER

Lot # C17I12DRM-00000PG

Q.C.# PPR33029

Date of Manufacture: 04/03/18

Recommended Retest Date: Three Years from Date of Manufacture

Main Catalog #: 369000000

Alt. Catalog #: 369000ACS, 369USP/NF, zc3690000CP

TEST	MONO-GRAPH	SPECIFICATION	RESULT
Assay (on anhydrous basis)	ACS USP	NLT 99.5%	99.99%
Identification A – Infrared Absorption	USP	Conforms to Reference Spectrum	Pass
Identification B – Limit of Diethylene Glycol and Ethylene Glycol	USP	Ethylene Glycol, NMT 0.1% Diethylene Glycol, NMT 0.1%	None Detected
Identification C – GC	USP	Conforms to Reference Chromatogram	Pass
Specific Gravity	USP	1.035 – 1.037 @ 25°C	1.036
Color (APHA)	ACS	NMT 10	1
Acidity	USP	NMT 0.20 mL 0.10N NaOH	< 0.20 ml
Titration Acid	ACS	NMT 0.0005 meq/g	0.0003 meq/g
Inorganic Impurities - Residue on Ignition	USP ACS	NMT 3.5mg NMT 0.005%	0.0 mg 0.0 %
Inorganic Impurities – Chloride and Sulfate Chloride (Cl)	USP ACS	NMT 70ppm as Chloride NMT 1ppm	< 1 ppm < 1 ppm
Inorganic Impurities – Chloride and Sulfate	USP	NMT 60ppm as Sulfate	< 1 ppm
Elemental Impurities	USP <232> & <233>	Complies with requirements	Pass
Water	USP ACS	NMT 0.20%	0.01 %

*For specific results on individual metals, please inquire.

Form: Propylene Glycol-KOSHER, ACS/USP/NF, #101, rev 3.3, 11/16, SDK

Approved by: G. Lischke Quality Control Chemist

Disclaimer: For Industrial/Lab use only. Not intended as a Drug Substance, Medical Device or Disinfectant. Appropriate/legal use of this product is the responsibility of the user. (Rev. # disclaimer only, rev 3.6, 07/15, PD)