



# ChemWorld.com

## Worldwide Online Ordering and Consulting

### GEORGIA WAREHOUSE

3939 Royal Drive, Suite 139,  
Kennesaw, GA, 30144

### MICHIGAN WAREHOUSE

25991 Northline Commerce Dr.  
Unit 504 Taylor, MI 48180

### UTAH WAREHOUSE

647 West Billinis Road, Unit 1  
Salt Lake City, Utah 84119

Certificate of Analysis  
Propylene Glycol, USP / EP FCC  
Kosher  
Excipient Use Only  
Lot No.: 17-199-07  
Po.No.:10892  
Date of Mfr: 07/20/2017

Attn: Quality Control Manager :  
TEST, (METHOD)

	<u>SPECIFICATION</u>	<u>RESULT</u>
Appearance, (Organoleptic)	Reference Standard	PASS
Specific Gravity @ 25°C, (<841>)	1.035 - 1.037	1.036
Refractive Index , Current USP	1.4310 – 1.4340	1.433
Assay, Current USP	99.5% minimum	99.95
Identification, Current USP	Meets requirements	PASS
Chloride, (<221>)	Not more than 0.007%	< 0.007 %
Heavy Metals, (<231>)	5 ppm maximum	< 1 ppm
Residue on Ignition, Current USP	Not more than 0.007%	<0.007 %
Sulfate, (<221>)	Not more than 0.006%	< 0.006 %
Residual Solvents, (Method IV <467>)	Meets requirements	PASS
Acidity, Current USP	0.20 ml 0.10N NaOH maximum	<0.2
Water, (Method I <921>)	Not more than 0.2%	0.02%
Oxidizing Substances	EP	PASS
Reducing Substances	EP	PASS
Color, Pt-Co, Current USP	Meets Requirements	PASS
Solubility @ 25°C	EP	PASS

This product is certified Kosher and Pareve under the supervision of the  
OK Certification, New York, New York.

This product is excipient grade and not intended to be used as an active pharmaceutical ingredient or for specialist applications, such as parenteral, ocular, inhalation, open wound use, or applications that require sterile and/or pyrogen-free excipients. Propylene Glycol products sold by ChemWorld.com are not for use in any application intended to produce vapor, fog, mist, smoke or aerosol, wherein there is a possibility of inhalation. ChemWorld.com expressly disclaims any and all liabilities related to the use of Propylene Glycol in such applications. Refer to the MSDS materials provided with your product's shipment for additional information about proper use and potential hazards of these products.