

# CERTIFICATE OF ANALYSIS

Product Name: Glycerin USP 99.7% Kosher

1 of 2

Code #: 09-1125-008

MFG. Date: 4/26/16  
Expiration Date: 9/29/16

PARAMETERS	ACME SPEC	RESULTS
Glycerol Content	99.7 min	9.9
Glycerin on Anhydrous Basis	99.0-101.0	100.0
<b>IDENTIFICATION</b>		
Infrared Absorption	Conform to USP/NF	Conforms
Diethylene Glycol and Ethylene Glycol Impurities:	Conform to USP/NF	Conforms
Diethylene Glycol	0.1 max	<0.025
Ethylene Glycol	0.1 max	<0.025
Related Compounds	Conform to USP/NF	Conforms
Individual Impurities (excluding DEG & EG)	0.1 max	<0.1
Total Impurities (including DEG & EG)	1.0 max	<1.0
Glycerin Identification Confirmation	Conform to USP/NF	Conforms
Specific Gravity/Relative Density @25°C	1.2613 min	1.2613
Color	Conform to USP/NF	Conforms
Color, APHA	10 maximum	3
Residue on Ignition	0.01 max	0.001



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IDENTIFICATION:	ACME SPEC	RESULTS
Water Content	0.5 max	0.07
Chloride, ppm	10 max	Passes
Sulfates, ppm	20 max	Passes
Heavy Metals, ppm	5 max	Passes
Limit of Chlorinated Compounds, ppm	30 of C1 max	Passes
Fatty Acids and Esters, mL 0.5 NaOH	1 max	0.2mL
Arsenic, ppm	1.5 max	<1.5
Aldehyde per EP/BP, ppm	35 max	<10
Residual Solvents	Conforms to USP/NF	Compliant
IR Identification	Conforms to USP/NF	Passes



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