



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

GLYCERIN – Kosher Grade
Glycerin 99.7% Kosher / USP Grade
Batch Number: 08147-EA

DATE OF MANUFACTURE: August 14, 2017
DATE OF EXPIRY/RE-TEST: August 13, 2018

<u>Test</u>	<u>Result</u>	<u>Specification</u>
Assay % by weight	99.7	99.7 Min.
Color, APHA	8.0	< 15
Specific Gravity @ 25°C	1.2613	1.2612 Min
Residue on Ignition (%) *	0.001	< 0.005
Chlorides (ppm) *	< 1.0	< 10.0
Sulfates (ppm) *	< 1.0	< 20.0
Chlorinated Compounds (ppm) *	< 1.0	< 5.0
Moisture (%) *	0.3	0.3 Max.
Fatty Acids & Esters *	NMT 0.3 ml	< NMT 1.0 ml
Arsenic (ppm) *	< 0.10	< 1.5
Heavy Metals (ppm) *	< 1.0	< 5.0
Ethylene Glycol Content (%) *	< 0.001	< 0.1
Diethylene Glycol Content (%) *	< 0.001	< 0.1
Related Compounds:		
Individual Impurities, wt%	Pass	0.1 max
Total Impurities, wt%	Pass	1.0 max
Identification By IR *	Pass	Match to Standard
Identification by GC *	Pass	Match to Standard
USP Monogram *	Pass	Match to Standard