



**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: 04107-EA

DATE OF MANUFACTURE: April 10, 2017

DATE OF EXPIRY/RE-TEST: April 9, 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    |

\* Data taken from Master Sample