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ATLANTA WAREHOUSE

3939 Royal Drive, Ste 224 and 226
Kennesaw, GA 30144

UTAH WAREHOUSE

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

Certificate of Analysis

GLYCERIN - Kosher
Glycerin 99.7% Kosher / USP Grade
Batch Number: 04275-EA

<u>Test</u>	<u>Result</u>	<u>Specification</u>
Assay % by wt.	99.7	99.5 Min.
Color, APHA	10.0	< 15
Specific Gravity 25°C	1.2613	1.2612 Min.
Residue on Ignition (%)	0.001	< 0.005
Chlorides (ppm)	1.24	< 10
Sulfates (ppm)	0.85	< 20
Chlorinated Compounds (ppm)	1.85	< 5
Moisture (%)	0.30	0.30 max.
Fatty Acids & Esters (titrant: 0.5N NaOH)	NMT 0.3	< NMT 1.0 ml
Arsenic (ppm)	< 1.0	< 1.5
Heavy Metals (ppm)	< 1.0	< 5
Ethylene Glycol Content(%)	< 0.001	< 0.1
Diethylene Glycol Content (%)	< 0.001	< 0.1
Identification By IR	PASS	Match to Standard
Identification By GC	PASS	Match to Standard
USP Monogram	PASS	Match to Standard

Approved by

Richard E. Thatcher

Customer Service Laboratory Group