

Re: Certificate of Analysis
Glycerin, USP (99.7%)
Natural Kosher
Lot No.: 9-071-07A
Po.No.: 123659
Date of Mfr: 3/12/09

Attn: Quality Control Manager

We certify that the above referenced lot of product has been packaged consistent with the standards of Current Good Manufacturing Practice ("CGMP") as promulgated under Title 21 CFR 210 and that said product complies with the requirements of the Current U.S. Pharmacopeia for Glycerin as evidenced by the following analysis:

<u>TEST, (METHOD)</u>	<u>SPECIFICATION</u>	<u>RESULT</u>
Specific Gravity @ 25°C, (<841>)	1.2612 minimum	1.2 616
Assay, % Glycerol	Not less than 99.7%	99.8%
Assay, Dry Basis (Current USP)	99.0 - 101.0 %	99.8%
Water, (Method I <921>)	0.5 % maximum	.04%
Fatty Acids & Esters, (Current USP)	1 ml 0.5N NaOH maximum	< 1 ml
Residue on Ignition, (<281>)	100 ppm maximum	< 100 ppm
Chloride, (<221>)	10 ppm maximum	< 10 ppm
Sulfate, (<221>)	20 ppm maximum	< 20 ppm
Heavy Metals, (<231>)	5 ppm maximum	< 5 ppm
Chlorinated Compounds, (Current USP)	30 ppm maximum	< 30 ppm
Color, (Current USP)	Passes test	PASS
Residual Solvents, (Method IV <467>)	Meets requirements	PASS
Identification, GC (Current USP)	Meets requirements	PASS
Identification, IR Scan (Current USP)	Meets requirements	PASS
Limit of Diethylene Glycol and related compounds, (Current USP)	All individual impurities Total impurities	< 0.1% < 1.0%
Appearance & Odor, (Organoleptic)	Reference Standard	PASS

*When stored in its original, unopened container at 35 - 95°F, this product has a minimum shelf-life of 1 year. Avoid exposure to extremely high or low temperatures.

This product is certified Kosher and Pareve under the supervision of the OK Kosher Certification, New York, New York. This product is warranted to meet the values established above as packaged and supplied by Avatar Corporation in sealed unopened containers. Actual values may deviate within the established reproducibility of the test method.

Sincerely,

AVATAR CORPORATION



J.P. Roush, M.S.
Quality Control Supervisor

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