

World of Aromas Inc

Vegetable Glycerin

CERTIFICATE OF ANALYSIS

Date: 3/5/20

Product: Glycerin 99.7% USP KOSHER
Lot#: 20-03114

| <u>Parameter</u> | <u>Specification</u> | <u>Results</u> |
|--------------------------------------|----------------------|----------------|
| Appearance | Pass | Pass |
| Glycerin Assay(Anhydrous) | 99.7 - 101.0% | 99.7 |
| Specific Gravity @25C | 1.2610 min. | 1.2612 |
| Water | 0.30 max% | 0.02 |
| Color(Apha) | 10 max | 5 |
| Fatty Acid & Ester(ml of 0.5 N NaOH) | 1.0 max. ML | Pass |
| Odor | Pass | Pass |
| Chloride(ppm) | 10.0 max | Pass |
| Chlorinated Compounds(ppm) | 30 max | Pass |
| Heavy Metals(as Pb)(ppm) | 5 max | Pass |
| Sulfates(ppm) | 20 max | Pass |
| Identification A by IR | Pass | Pass |
| Identification B by GC(a) | Pass | Pass |
| Diethylene Glycol | 0.00 - 0.10% | Pass |
| Ethylene Glycol | 0.10 max% | Pass |
| Identification C by GC | Pass | Pass |
| Residual Solvents | Pass | Pass |
| Residue on Ignition | 0.010 max % | 0.000 |
| Related Compounds | Pass | Pass |