

Certificate of Analysis

Vegetable Glycerine, 99.7% natural

Grade USP / FCC Food Grade, Kosher & Halal Certified

Properties	Specifications	Results
Appearance	Clear, colorless	Clear, colorless
Identification tests		
A - Infrared absorption test	Pass test	Pass
B - GC/FID test of glycerin, DEG & EG	Pass test	Pass
C - RT of glycerine's peak	Pass test	Pass
Related compounds	0.1% max. of any individual impurity not including solvents & DEG; 1.0% max. total impurities	< 0.1% < 1.0%
Assay, C ₃ H ₈ O ₃ , calculated on anhydrous basis	99.7% min.	99.89%
Water, wt. %	< 0.3% max.	0.11%
Specific gravity, 25°C	1.259 min.	1.2618
Color, APHA/Hazen	10 max.	5
Residue on Ignition (ash), % w/w	0.01% max.	< 0.01%
Chlorides, ppm	10 ppm max. (0.001%)	< 0.001%
Sulfates, ppm	20 ppm max. (0.002%)	< 0.002%
Total heavy metals (as Pb)	5 ppm max.	< 5 ppm
Lead, Pb	1 ppm max.	< 1
Chlorinated compounds, ppm (as Cl)	30 ppm max. (0.003%)	< 0.003%
Fatty acids & esters, ml/50g, per current USP	Pass test (1 ml of 0.5 N NaOH max.)	0.5 ml
Readily carbonizable substances	Pass test	Passed

This product meets current USP / FCC compendia standards

This is a non-GMO product & is derived from Palm Oil, vegetable based.

* Data based on Manufacturer and / or Supplier Certificate of Analysis



Quality Control