



Shay and Company

Supplier of Wholesale Oils, Butters, Waxes, Candle Supplies and Essential Oils

Glycerin, Vegetable USP Grade

Lot# D241220-12-1

Country of Origin: Malaysia

Manufacture Date: 12/2024

Expiration Date: 12/2027

Ingredient Name (INCI): Kosher Vegetable Glycerin

Composition: 99.8% glycerin, 0.07% water

Packaging: Drums, Pails, Buckets

Description: Clear viscus liquid. Odorless. Characteristic bland taste.

Applications: Skincare, Soap Manufacturing, Food

| Parameter | Result | Specifications | Test Method |
|-------------------------------------|--------------------|----------------|-------------|
| Glycerin % | 100.68 | 99.0 - 100.0 | USP-NF 2021 |
| Water Content % w/w | 0.09 | .3 max | USP-NF 2021 |
| Specific Gravity at 25°C | 1.2612 | 1.294 min | USP-NF 2021 |
| Color | pass | pass | USP-NF 2021 |
| Residue on Ignition % | <0.01 | .01 max | USP-NF 2021 |
| Chlorides, ppm | <10 | 10 max | USP-NF 2021 |
| Sulfates, ppm | <20 | 20 max | USP-NF 2021 |
| Heavy Metals (as Pb), ppm | <5 | 5 max | USP <231> |
| Limit of Chlorinated Compounds, ppm | <30 | 30 max | USP-NF 2021 |
| Fatty Acid & Ester as ml of 0.5N | 0.46mlof 0.5N NaOH | 1 max | USP-NF 2021 |

Identification

| | | | |
|-----------------------------|--------------|---------|-------------|
| Infrared Spectroscopy <197F | Passed | pass | USP-NF 2021 |
| Diethylene glycol % | Not detected | 0.1 max | USP-NF 2021 |
| Ethylene Glycol % | Not detected | 0.1 max | USP-NF 2021 |
| RT of glycerin's peak | Passed | pass | USP-NF 2021 |

Related Compounds

| | | | |
|-----------------------|------|---------|-------------------|
| Individual Impurities | 0.1 | 0.1 max | USP-NF 2021 |
| Total Impurities | <1.0 | 1.0 max | USP-NF 2021 |
| Glycerol % | 99.8 | 99.7 | APAG-GL-008 |
| Color APHA | 2 | 10 max | AOCS Ea 9-65 1997 |
| Arsenic, ppm | <0.1 | 1.5 max | AAS |

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Shelf life is guaranteed for three years from time of manufacture when stored in original, unopened container between 59° F to 86°F and protected from light. Shay and Company diligently sources and provides the highest quality ingredients, but it is the customer's responsibility to ensure the products purchase from Shay and Company meets their expectations. Any additional testing will be the responsibility of the customer.