



Shay and Company

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

Glycerin, Vegetable USP Grade

Lot# 20220609

Country of Origin: South Korea

Manufacture Date: 06/2022

Expiration Date: 06/2025

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 %	99.8	99.0 - 100.0	USP-NF 2021
Water Content % w/w	0.05	.3 max	USP-NF 2021
Specific Gravity at 25°C	1.261	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	<10	30 max	USP-NF 2021
Fatty Acid & Ester as ml of 0.5N	0.25ml of 0.5N NaOH	1 max	USP-NF 2021

Identification

Infrared Spectroscopy <197F	Passed	pass	USP-NF 2021
Diethylene glycol %	<0.1	0.1 max	USP-NF 2021
Ethylene Glycol %	<0.1	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.

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