

Versión: 08

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Código: FT-PP-GR-0004

REFINDED GLYCERIN

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GENERAL DESCRIPTION		
PRODUCT NAME	Refined Glycerin	
PHISICAL DESCRIPTION	Viscous transparent liquid, odorless, sweet-tasting.	
COMPOSITION	HO OH OH C3H8O3 Gliceryl Propane 1,2,3 triol	
PROCUREMENT	It is obtained from the process of refining and bleaching crude glycerin	
MANUFACTURING PROCESS	The crude glycerin is destiled, deodorized, blanched and stored in stainless Steel tanks.	
REGULATORY COMPLIANCE	The refined glycerin meets the following national and internation standards: - HACCP under NTC 5830 (Requirements for Hazard Analys Critical Control Points). - KOSHER Passover - Parve - USP (United States Pharmacopeia)	
USES AND APLICATIONS	In the food industry as an emulsifier, stabilizer, humectant and sweetener in the manufacture of beverages, candy, pastry industry. In the cosmetics industry as a humectant agent, in the	
	manufacture of soaps, toothpaste, shampoo, lipstick. In the pharmaceutical industry for manufacturing capsules, anesthetics, as excipient	
SHELF LIFE	18 months from date of production.	
PONTENCIAL CUSTOMERS	Distributors of raw materials for pharmaceutical companies or of food.	
	Industries of food, pharmaceutical or cosmetic production.	

REVISÓ: FERNANDO PEÑA	APROBÓ: LAUBHER ÁLVAREZ	PROXIMA REVISIÓN
CARGO: AVANSTA DE PROCESO	CARGO: JEFE DE PRODUCCIÓN BIODIESEL	FECHA (AAAA – MM)
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INFORMATION ABOUT ADDITIVES, ALLERGENS AND GMO	No additives No allergens precence from the: Milk, eggs, fish, crustacean shellfhish, peanuts, tree nuts, gluten, soybean GMO is not considered as this is produced from crude palm oil without adding fresh genetically modified substances. Planted palms from where this palm oil originates are not genetically modified.	
BSE / TSE	Refined Glycerin is free of BSE (Bovine Spongiform Encephalopathy) y TSE (Transmissible Spongiform Encephalopathy) because it is derived from animal sources.	
STORAGE	The glycerin in the plant is stored sealed steel tanks between 4 to 70 ° C, in an inert environment with atmosphere N ₂ . Keep closed, stored in a clean, dry place preferably at roo temperature, away from ignition sources, incompatible chemica and away from direct sun light rays.	
SIGNS OF DAMAGE	Changes in color, odor and signs of precipitation	
IDENTIFICATION AND TRACKING	The report defines quality product batch (lot)	
TRANSPORT AND COMMERCIAL PRESENTATION	Glycerin is transported in certified food grade tankers and flexitanks	
LOAD INCOMPATIBILITIES	The glycerin will not be loaded in containers that have transported previously loaded whith: - Methanol - Soaps - Molasses - Molasses - Phenols - Benzene and its derivatives (alkyl benzenes, toluene, xylene, etc.) - Breas (coal tar, oil, vegetable, synthetic) - Azo compounds (dyes such as p-dimetilaminoazobenceno, methyl orange, alizarin, methyl red, etc) - Derivatives of Sulfur (hydrogen sulfide, sulfuric acid, etc.) - Petroleum and petroleum products (gasoline, kerosene, diesel, fuel oil, - Biofuels (Biodiesel) - Animal fats or vegetable - Pesticides (Appellate Body Chlorinated and phosphorus	

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SPECIFICATIONS TANKERS WASHING	 For washing use hight-pressure water tanker The vehicle must be vaporized to remove residues that may contain. Chemical cleaning should be performed using a compatible detergent specially in places such as valves, seals, fittings, etc. Rinse with clean water. It should be dried with a clean and dry int free cloth Immediately after finishing washing and drying the tank, must A wash certificate should be issued describing the steps, materials and other conditions such as a time, temperature, steam and water pressure and chemical cleanser used.
VERIFICATION TANK PROCEDURE	All tanker inspections must meet the following conditions for approval: - Adequate washing certificate - Tanker sealing Visual inspection and check list tanker specs and hygiene conditions including: - Visually overall cleanliness of vessel - Odorless check - After passing a clean disposable cloth the inner surface of the tanker, no signs of dirt or color must be observed.

MICROBIOLOGIES CHARACTERISTICS Values allowed by standard USP		
Aerobic Mesophilic	Maximum 100 UFC/ml	
Yeast and Mold Count	Maximun 10 UFC/ml	
E. coli	Absent /ml	
Pseudomona aeruginosa	Absent /ml	
Staphylocococcus aureus	Absent /ml	

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Salmonella SPP	Absent /ml

Our manufacturing process contains a distillation step (reaching temperaturas of 130 – 160 ° C) which is self-sterilizing, destroying potential microbes. Morevover, glycerin contains low available moisture and has inherent antimicrobial properties as a concentrated solution.

PHYSICOCHEMICAL CHARACTERISTICS Values allowed by standard USP			
Color		The sample should not be darker than the standard	
APHA Color		Max. 10 (Pt – Co)	
Apperance		Viscous, colorless, translucent liquid	
Identification B (EG&E	G Límit)	Max. 0,1 %	
Identification C (Confirm	nation of Glycerin)	Retention time of the sample corresponds to the standard	
Specific Gravity		Min. 1.249 at 25°C/25°C	
Refractive Index (25°C)		1,470 – 1,475	
Density (25°C) Min. 1,2452 (g/ml)		Min. 1,2452 (g/ml)	
Water 0,5% Max.		0,5% Max.	
Glycerol	lycerol 99,0 – 101,0 (% mass)		
Methanol		To Report (ppm)	
Sulfates		0,002% Max. (% mass)	
Chlorides		0,001% Max. (% mass)	
Esters and Fatty Acids		1 mL Max.	
Limit chlorinated comp	ounds	0,003% Max. (% mass)	
Residue of Ignition		0,01% Max. (% mass)	
Heavy Metals		5 ppm Max.	
Poloted company	Individual impurities	0,1% Max.	
Related compounds	Total impurities	1,0% Max.	

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	In Water	Miscible
Solubility	In Ethanol	Miscible
	In Chloroform	Miscible

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DIMILLUIA)	Wines	2024-01
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