

Refined Glycerin 99,7% Min 100% Vegetable Base



General Information

Origin	Argentina
HS Code	29054500
Cas No.	56-81-5
Appearance	Clear Colorless Liquid

Application

Food Industry	It serves as a solvent. It can be used as food preservatives and sugar substitute.
Pharmaceuticals Industry	It is used to improve smoothness, lubricity and maintain moisture. It is widely used in pharmaceutical product such as cough syrup, and personal care product such as mouthwash.
Intermediate Chemicals	It is used in the production of other chemicals such as nitroglycerine for explosives and propellants.

Specification

Physical and Chemical Parameters	Unit	Limit	Method
1. Glycerol Content	% Weight	99,7 min	BS 5711-3/USP 42
2. Identification A – IR	-	Passes Test	USP 42
3. Identification B	-	-	USP 42
Diethylenglicol	% Weight	0,1 max	
Ethylenglicol	% Weight	0,1 max	
4. Related Compounds	-	-	USP 42
All Impurities	% Weight	1,0 max	
Individual Impurities	% Weight	0,1 max	
5. Identification C – Chromatography	-	Passes Test	USP 42
6. Specific Gravity at 25°C	-	1,249 min	USP 42 (Method II)
7. Refractive Index (20°C)	-	Report	USP 42
8. Color APHA	Pt/Co	10 max	AOCS Ea 9-65/ASTM D-1209
9. Color (Ferric Chloride)	-	Passes Test	USP 42
10. Residue by ignition	% Weight	0,01 max	USP 42

11. Water Content	% Weight	0,3 max	USP 42 (Method Ic)
12. Sulfates	ppm	20 max	USP 42
13. Chlorides	ppm	10 max	USP 42
14. Heavy Metals	ppm as Pb	5 max	USP 42
15. Chromium	ppm	5 max	USP 42 (Method Ic)
16. Chlorinates Compounds	ppm	30 max	USP 42
17. Residual Solvents	-	Passes Test	USP 42 (Method IV)
Chloroform	ppm	60 max	
1,4 Dioxane	ppm	380 max	
Methylene Chlorate	ppm	600 max	
Trichloroethylene	ppm	80 max	
Methanol	ppm	3000 max	
18. Readily Carbonizable Substances	-	Passes Test	USP 42
19. Fatty Acid and Methyl Ester	ml NaOH 0,5N/50g	1 max	USP 42
20. Odor	-	Typical	-

Microbiological Parameters	Unit	Limit	Method
21. Total Aerobic Bacteria	UFC/ml	100 max	ISO 6579-1: 2017 / AMD 1: 2020
22. Yeast and Mould	UFC/ml	100 max	ISO 21527-1 : 2008 / ISO 21527-2: 2008
23. Enterobacters	UFC/ml	100 max	ISO 21528-2: 2004 (E)
24. Fecal Coliforms	UFC/ml	50 max	ISO 4832:2006
25. Total Coliforms	UFC/ml	50 max	ISO 4832:2006
26. Salmonella	-	Absence in 1 ml	ISO 6579-1: 2017
27. Staphylococcus Aureus	-	Absence in 1 ml	ISO / DIS 6888-1
28. Escherichia Coli	-	Absence in 1 ml	ISO 4831:2006

Packaging

Flexi tanks and Drums 200 liters/250 kg