

Refined Glycerin 99,7% USP (100% Vegetable)



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

Analysis	Unit	Specification	Method
Aspect	-	(Syrupy liquid, colorless, and clear)	EP10
Odor	-	Odorless	Internal Method
Glycerol Content	% Weight	99,7 Min	USP 43 / EP 10
Identification A – IR	-	Pass	USP 43 / EP 10
Identification B - Diethylenglicol	% Weight	0,1 Max	USP 43 / EP 10
Identification B – Ethylenglicol	% Weight	0,1 Max	USP 43 / EP 10
Related Compounds Individual Impurities	% Weight	0,1 Max	USP 43 / EP 10
Related Compounds – All Impurities	% Weight	1,0 Max	USP 43 / EP 10
Identification C - Cromatografia	-	PASS	USP 43 / EP 10
Identification D	-	PASS	EP10
Appearance of solution	-	Clear & colorless	EP10
Specific Gravity at 25°C	-	1,249 Min	USP 43
Refractive Index at 20°C	-	1,470 Min / 1,475 Max	EP10
Color APHA	Pt/Co	10 Max	ASTM D1209-05
Color	-	PASS	USP 43
Residue by Ignition	% Weight	0,01 Max	USP 43

Sulfate Ash	% Weight	0,01 Max	EP10
Water Content	% Weight	0,3 Max	USP 43
Sulfates	mg/Kg	20 Max	USP 43
Chlorides	mg/Kg	10 Max	USP 43
Heavy Metals	mg/Kg as Pb	5 Max	USP 43 / ICP
Chromium	mg/Kg	5 Max	USP 43 / ICP
Chlorinates Compounds	mg/Kg	30 Max	USP 43 / EP10
Volatile Organic Impurities	% Weight	0,1 Max	USP 43
Chloroform	mg/Kg	60 Max	USP 43
1,4 Dioxane	mg/Kg	380 Max	USP 43
Methylene Chlorate	mg/Kg	600 Max	USP 43
Trichloroethylene	mg/Kg	80 Max	USP 43
Methanol	mg/Kg	3000 Max	-
Readily Carbonizable Substances	mg/Kg	PASS	USP 43
Fatty Acid and Methyl Ester	ml NaOH/50 g	1 Max	USP 43
Acidity or Alkalinity	ml NaOH 0.1 M	0,2 Max	EP10
Aldehydes	mg/Kg	10 Max	EP10
Esters	ml HCl 0,1M	8 Min	EP10
Sugar	-	PASS	EP10
Total Aerobic Bacteria	CFU/ ml	100 Max	ISO 6579:2002/ COR.1:2004 (E)
Yeast and Mold	CFU/ ml	100 Max	ISO 7954:1987
Enterobacters	CFU/ ml	100 Max	ISO 21528-2:2004 (E)
Fecal Coliforms	CFU/ ml	50 Max	ISO 4832:2006
Total Coliforms	CFU/ ml	50 Max	ISO 4832:2006
Salmonella	-	Absence in 1 ml	ISO 6579:2002/ COR.1:2004 (E)
Staphylococcus Aureus	-	Absence in 1 ml	ISO 6888-1:1999
Escherichia Coli	-	Absence in 1 ml	ISO 4831:2006

Packaging

23,5 MT/FCL 20ft – Flexi Tank