

Material Group	312022
Date	Dec. 2020

Sales Specification

Product: Refined glycerine, min 99.7%, E422 food grade, kosher, any vegetable oil based, non-GMO

Einecs : 200-289-5

Analysis	Unit	min	max	Method of analysis *
Water	% (m/m)		0,3	European Pharmacopoeia
Refractive index @ 20°C		####	1,474	European Pharmacopoeia
Fatty acids and esters (as butyric acid) (RL84)	%		0,1	JECFA, Monograph
Chlorides	mg/kg		10	European Pharmacopoeia
Acroleine, Glucose, Ammoniumcompounds		Passed test		REG(EU) 231/2012 no E422
Heavy metals (USP)	mg/kg	5		US Pharmacopoeia
Arsenic	mg/kg	max 3		DIN EN 15763
Mercury	mg/kg	max 1		SOP M 2567
Cadmium	mg/kg	max 1		DIN EN 15763
Lead	mg/kg	max 2		DIN EN 15763
Sulphated ash	% (m/m)	max 0,01		European Pharmacopoeia
3MCPD	mg/kg	max 0,1		GC/MS / IKB 00,14.34 GC
Butanetriol	% (m/m)	max 0,2		GC/MS
Assay (glycerine content)	% (m/m)	99,7	101	European Pharmacopoeia
Identity A, B, C		pass		European Pharmacopoeia
Appearance of solution S		Meets spec		European Pharmacopoeia
Esters	ml 0.1 m HCl-solution	8,0		European Pharmacopoeia
Color (APHA)	Hazen		10	ISO 6271
Acidity	ml 0.1 m NaOH-solution		0,2	European Pharmacopoeia
Aldehydes	mg/kg		10	European Pharmacopoeia
Halogenated compounds	mg/kg		30	European Pharmacopoeia
Sugars		Negative		European Pharmacopoeia
Sulfates	mg/kg	max 20		US Pharmacopoeia
Impurity A (DEG)	% (m/m)	max 0,1		European Pharmacopoeia
Any other impurity retention time less glyc		max 0,2		
Total of all impurities retention time greater glyc	% (m/m)	max 0.5		

* Or verified alternative method.

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Refer to the appropriate Safety Data Sheet for health, safety and environmental information

Last update: 30/11/2020

