The Soap Kitchen
Unit E Swinton Bridge Industrial Estate
Whitelee Road
Swinton
South Yorkshire
S64 8BH
Telephone : 01237 420 872
enquiries@thesoapkitchen.co.uk

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Glycerine (Vegetable Glycerine)

Einecs: 200-289-5 CAS: 56-81-5
Taken from: 07F18B
Batch dated: 10-02-2023
Batch number: 2023065016F18B
Production date: 10-2-2023
Remarks: 0

Analysis	Unit	min	max	Result	Method of analysis
Appearance		Colourless		Colourless	European Pharmacopoeia
Appearance of solution		Clear		pass	European Pharmacopoeia
Smell		Absent		absent	European Pharmacopoeia
Esters	ml 0.1 m HCl-solution	8,0		9.1	European Pharmacopoeia
Color (APHA)	Hazen		10	10	ISO 6271
Water	% (m/m)		0,5	0,0385	European Pharmacopoeia
Refractive index @ 20°C		1,471	1,474	1,4739	European Pharmacopoeia
Density @ 20°C	g/cm³	1,260		1,261	European Pharmacopoeia
Acidity	ml 0.1 m NaOH-solution		0,2	0,05	European Pharmacopoeia
Aldehydes	mg/kg		10	Passes test	European Pharmacopoeia
Halogenated compounds	mg/kg		30	Passes test	European Pharmacopoeia
Chlorides	mg/kg		10	Passes test	European Pharmacopoeia
Sugars		Negative		Negative	European Pharmacopoeia
Acroleine, Glucose, Ammoniumcompounds		Negative		Negative	REG(EU) 231/2012 no E422
Assay	% (m/m)	99,5		99,7	European Pharmacopoeia
3-MCPD	mg/kg		0,1	<0,05	GC/MS
Compliance with the items listed below is assured through regular monitoring analyses performed at an external lab.					
Identity A, B, C, D		pass			European Pharmacopoeia
Heavy metals calculated as Pb	mg/kg	max 5			US Pharmacopoeia
Arsenic	mg/kg	max 3			DIN EN 15763
Mercury	mg/kg	max 0,1			SOP M 2567
Cadmium	mg/kg	max 1			DIN EN 15763
Lead	mg/kg	max 2			DIN EN 15763
Nickel	mg/kg	max 20			DIN EN 15763
Sodium	% (m/m)	max 0,1			DIN EN 15510
Potassium	% (m/m)	max 0,1			DIN EN 15510
Sulfates	mg/kg	max 20			US Pharmacopoeia
Sulphated ash	% (m/m)	max 0,01			European Pharmacopoeia
Impurity A (DEG)	% (m/m)	max 0,1			European Pharmacopoeia
Any other impurity retention time less Glyc	% (m/m)	max 0,1			European Pharmacopoeia
Total of all impurities retention time greater Glyc	% (m/m)	max 0,5			European Pharmacopoeia
Butanetriols	% (m/m)	max 0,2			GC/MS
Acroleine		Confirms			REG(EU) 231/2012 no E422
Fatty acids and esters	%	max 0,1			Calculated as butyric acid