



### Certificate of Analysis

Date: 9/7/18  
 Customer: Kilo Ltd FAO: Rebecca Parker  
 Order No: (PO) 813399  
 Tank No: SLZU 260720-4  
 Our Ref: FK7608/1 Delivery Date : 11/7/18  
 Loaded Weight: 27,020 Kgs  
 Product: Kosher Glycerine , NON GMO  
 Batch Number: 201828107F18B  
 Manufacture Date: 09/07/2018  
 Expiry Date: 24 months from date of manufacture if stored in ideal conditions

Analysis	Unit	min	max	Result	Method of Analysis
Appearance		Colourless	Colourless		European Pharmacopoeia
Appearance of solution		Clear	Hazy		European Pharmacopoeia
Small		Absent	absent		European Pharmacopoeia
Esters	ml 0.1 m HCl-solution	0.0		0.03	European Pharmacopoeia
Color (APHA)	Hazen		10	2	ISO 6271
Water	% (wt/wt)		0.5	0.038	European Pharmacopoeia
Refractive index @ 20°C		1.471	1.474	1.473	European Pharmacopoeia
Density @ 20°C	g/cm <sup>3</sup>	1.260		1.261	European Pharmacopoeia
Acidity	ml 0.1 m NaOH-solution	0.2		0.05	European Pharmacopoeia
Aldehydes	mg/kg		10	Meets spec	European Pharmacopoeia
Halogenated compounds	mg/kg		30	Meets spec	European Pharmacopoeia
Chlorides	mg/kg		10	Meets spec	European Pharmacopoeia
Sugars		Negative	negative		European Pharmacopoeia
Proteins, Glucose, Ammonium compounds		Negative	negative		REC(EN) 231/2012 no E422
Assay	% (wt/wt)	99.8		99.8	European Pharmacopoeia
Compliance with the items listed below is assured through regular monitoring analyses performed at an external lab.					
Impurity A, B, C, D			max		European Pharmacopoeia
Arsenic	mg/kg		max 0.1		DIN EN 15763
Mercury	mg/kg		max 0.1		SOP N 2567
Cadmium	mg/kg		max 1		DIN EN 15763
Lead	mg/kg		max 0.1		DIN EN 15763
Nickel	mg/kg		max 20		DIN EN 15763
Sodium	% (wt/wt)		max 0.1		DIN EN 15510
Potassium	% (wt/wt)		max 0.1		DIN EN 15510
Sulfates	mg/kg		max 20		US Pharmacopoeia
Sulfated ash	% (wt/wt)		max 0.01		European Pharmacopoeia
Impurity A (DEG)	% (wt/wt)		max 0.1		European Pharmacopoeia
Any other impurity retention time less 0.5c	% (wt/wt)		max 0.1		European Pharmacopoeia
Total of all impurities retention time greater 0.5c	% (wt/wt)		max 0.5		European Pharmacopoeia
Glucanols	% (wt/wt)		max 0.2		GC/MS
Acrolein			Confirms		REC(EN) 231/2012 no E422
Fatty acids and esters	%		max 0.1		Calculated as lauric acid
3-MCPD	mg/kg		max 0.1		GC/MS

The Soap Kitchen  
 8 Coddle Lane, Sandusipol Popo, Clavelly Road, Sandusipol  
 Devon EX36 3BX  
 Tel 01237 420872 (+44 01237 420872)  
 Email: info@thesoapkitchen.co.uk