

Gracefruit Limited  
 209 Glasgow Road  
 Longcroft  
 Bonnybridge  
 FK41QQ

## Certificate of Analysis

To: Kilo Ltd

Product: MEKIROL RS995                      OLVGLYCRS  
 Lot number: PG 0418-31  
 Delivery Date: 20/04/2018                      Date of manufacture: April 2018  
 Order No.: 812414                                  Expiry date: April 2020

Our ref: POR04417/4  
 Quantity: 24920 kg

Test Description	Min	Max	Result
Appearance	Complies		Complies
Acidity/Alkalinity (ml 0.1 M NaOH)		0.2	0.06
**Impurity A, %		0.1	<0.1
Glycerine Assay, %	99.5		100.1
*Aldehydes, ppm		10	Complies
Esters (ml 0.1 M HCl)	8.0		8.8
*Halogenated Compounds, ppm		35	Complies
*Chloride, mg/kg		10	Complies
*Sugars		Negative	Complies
*Total Heavy Metals, ppm		5	Complies
Refractive Index 20°C	1.470	1.475	1.473
Relative Density 20°C, g/cm <sup>3</sup>	1.261	1.264	1.262
Water, Karl Fischer, %		0.5	0.02
**Sulphated Ash, %		0.01	<0.01
Above tests according to Ph Eur 7 <sup>h</sup> Edition 2011			
Colour APHA		10	3
Above test according to DIN-ISO 6271			

\*These parameters determined statistically

\*\* These parameters determined by an external laboratory

100% rapeseed origin. Complies with current PH Eur for Glycerine. Complies with E442. Kosher certified. Free from GMO.

Certified that the goods detailed above have been inspected and tested in accordance with the conditions of the purchase order/contract, conform in all respects to the specification shown, and have the above analysis.