

Certificate of Analysis

Gracefruit Ltd

Product: GLYCERINE
Lot number: PG 0217-38

Date of manufacture: February 2017

Date Of Expiry February 2019

Test Description	Min	Max	Result
Appearance	Complies		Complies
Acidity/Alkalinity (ml 0.1M NaOH)		0.2	0.04
**Impurity A, %		0.1	<0.1
Glycerine Assay, %	99.5		100.0
*Aldehydes, ppm		10	Complies
Esters (ml 0.1M HCl)	8.0		8.9
*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	1.474
Relative Density 20°C, g/cm ³	1.261	1.264	1.262
Water, Karl Fischer, %		0.5	0.03
**Sulphated Ash, %		0.01	<0.01
Above tests according to Ph Eur 7 th Edition 2011			
Colour APHA		10	3
Above test according to DIN-ISO 6271			

*These parameters determined statistically

** These parameters determined by an external laboratory

Manufactured from vegetable raw materials, 100% rapeseed origin. 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.