



CERTIFICATE OF ANALYSIS
ORGANIC CASTOR OIL

Customer:	The Soap Kitchen	Order No:	10.5.18a
Quantity:	2 x 25 litre drum	Batch No:	KMO2966
Date:	15.05.2018	Code No:	-
Supplier Ref:	28592-01		

Appearance: A clear greenish / yellow liquid
 Odour: Very slight, characteristic.

TEST	SPECIFICATION	ANALYSIS
Relative Density @ 15.5°C (g/ml)	0.957 – 0.969	0.962
Refractive Index @ 20°C	1.477 – 1.481	1.478
Viscosity @ 25°C	About 700 centipoise	~700
Free Fatty Acid (% as Oleic)	≤ 1.0	0.74
Acid value (mgKOH/g)	≤ 2.0	1.47
Iodine value (mg/g)	82.0 – 90.0	85.40
Saponification value (mgKOH/g)	177.0 – 187.0	180.35
Peroxide value (Meq/kg)	< 10.0 (at time of production analysis)	7.71
Unsaponifiable Matter (%)	≤ 1.0	0.37
Acetyl value (mgKOH/g)	140.0 – 150.0	148.38
Hydroxyl value (mgKOH/g)	160.0 – 168.0	166.97
Moisture (%)	≤ 0.25	0.16

FATTY ACID PROFILE (%)	SPECIFICATION	ANALYSIS
C 16:0 Palmitic Acid	1.0 – 2.0	1.51
C 18:0 Stearic Acid	1.0 – 3.0	1.99
C 18:1 Oleic Acid	2.0 – 5.0	3.55
C 18:1 (OH) Ricinoleic Acid	85.0 – 90.0	88.45
C 18:2 Linoleic Acid	3.0 – 7.0	3.60

Date of Packing: November 2017
 Date of Expiry: November 2019

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