



The Soap Kitchen (2011) Ltd  
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**CERTIFICATE OF ANALYSIS**  
**R.D.W MAIZE OIL**

Customer:	The Soap Kitchen	Order No:	-
Quantity:	2 x 5 Kilos	Batch No:	KMO2366
Date:	09.04.2020	Code No:	
Supplier Ref:	S41/219		

**Appearance @ 20°C:** Light to golden yellow oil.  
**Odour:** Faint. Characteristic.

TEST	SPECIFICATION	ANALYSIS
Relative Density @ 20°C	0.915 – 0.923	Complies
Refractive Index @ 20°C	1.472 – 1.475	Complies
Acid Value	0.5 maximum	0.14
Iodine Value	103 - 129	120.15
Saponification Value	187 - 193	Complies
Unsaponifiable Matter (%)	2.8 maximum	< 2.8
Peroxide Value (meq/kg)	10.0 maximum	0.1
Colour Lovibond (5.25" cell)	50.0 Yellow maximum	28
	5.0 Red maximum	3
Alkaline Impurities	Complies with EP	Complies
Sterols (Brassicasterol) (%)	0.3 maximum	< 0.3
Water (Parenteral Dose) (%)	0.1 maximum	0.05

G.L.C ANALYSIS (%)	SPECIFICATION	ANALYSIS
< C16	0.6 maximum	0
C16:0 Palmitic Acid	8.6 – 16.5	11.6
C18:0 Stearic Acid	3.3 maximum	1.8
C18:1 Oleic Acid	20 – 42.2	31.8
C18:2 Linoleic Acid	39.4 – 65.6	52.3
C18:3 Linolenic Acid	0.5 – 1.5	1.0
C20:0 Arachidic Acid	0.8 maximum	< 0.8
C20:1 Eicosenoic Acid	0.5 maximum	< 0.5
C22:0 Behenic Acid	0.5 maximum	< 0.5
Other Fatty Acids	0.5 maximum	< 0.5

**Date of Manufacture:** April 2020  
**Date of Re-test:** April 2022

This COA is produced electronically therefore no signature is required.