



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

Customer:	The Soap Kitchen	Order No:	-
Quantity:	3 x 25 Litres	Batch No:	KMO84
Date:	07.01.2020	Code No:	-
Batch No:	1911/028		

**Appearance:** A clear bright pale yellow to gold liquid  
**Odour:** Bland or faintly typical

TEST	SPECIFICATION	ANALYSIS
Free Fatty Acid	0.1% maximum	0.09
Peroxide Value (meq/kg)	1.0 maximum	0.1
Moisture	0.1% maximum	0.01
Colour (5.25" cell)	20 Yellow maximum	7.5
	2.0 Red maximum	1.1
Relative Density @ 20°C	0.919 – 0.923	0.919
Saponification Value	184 - 194	191.5
Refractive Index @ 20°C	1.471 – 1.476	1.4741
Iodine Value	120 - 140	130.0
Soap	Nil	Complies
Smoke Point	210°C	Complies
Flash Point	280°C	Complies

FREE FATTY ACID PROFILE (%)		
C16:0 Palmitic	3 - 10	6.5
C18:0 Stearic	1 - 10	3.6
C18:1 Oleic	14 - 35	27.0
C18:2 Linoleic	55 - 70	61.5
C18:3 Alpha Linolenic	0.3 maximum	0.2
C22:0 Behenic	1.5 maximum	0.6

**Date of Manufacture:** January 2020  
**Date of Re-test:** January 2021  
**Date of Expiry:** January 2022

This COA is produced electronically therefore no signature is required.