



**CERTIFICATE OF ANALYSIS**  
**R.D.W SUNFLOWER OIL**

Customer:	The Soap Kitchen	Order No:	5.2.18
Quantity:	4 x 25 Litres	Batch No:	KMO761
Date:	07.02.2018	Code No:	-
Batch No:	SFO02		

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

TEST	SPECIFICATION	ANALYSIS
Free Fatty Acid	0.1% maximum	0.07
Peroxide Value (meq/kg)	1.0 maximum	0.2
Moisture	0.1% maximum	0.01
Colour (5.25" cell)	20 Yellow maximum	5.0
	2.0 Red maximum	1.0
Relative Density @ 20°C	0.919 – 0.923	0.919
Saponification Value	184 - 194	191.7
Refractive Index @ 20°C	1.471 – 1.476	1.4744
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	6.1
C18:0 Stearic	1 - 10	3.0
C18:1 Oleic	14 - 35	29.5
C18:2 Linoleic	55 - 70	59.4
C18:3 Alpha Linolenic	0.3 maximum	0.2
C22:0 Behenic	1.5 maximum	0.7

Date of Manufacture: January 2018  
Date of Re-test: January 2019  
Date of Expiry: January 2020

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