



The Soap Kitchen (2011) Ltd  
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**CERTIFICATE OF ANALYSIS**  
**SOYA OIL Ph.Eur**

Customer:		Order No:	-
Quantity:	3 x 25 litres	Lot No:	KMO5520
Date:	21.08.2020	Code No:	-
Batch No:	SO14		

We certify the above material has been tested and conforms to the following specification:

Appearance:	A clear bright, pale yellow liquid
Solubility:	Practically insoluble in ethanol 96%, miscible with light petroleum (bp: 50-70)
Identification:	The chromatogram obtained is similar to the reference chromatogram.
Odour/Flavour:	Bland or faintly typical, but free from rancid or foreign flavours/odours

TEST	SPECIFICATION	ANALYSIS
Peroxide Value (meq O <sub>2</sub> /kg)	10.0 maximum	0.1
Refractive Index @ 20°C	1.475 typical	1.4733
Saponification Value		193.0
Specific Gravity @ 20°C	0.922 typical	Complies
Colour (Gardner)	3.0 maximum	0.5
FFA	0.5 maximum	0.01
Water (%)	0.1 maximum	Complies
Iodine Value		132.6
Brassica Sterols (%)	0.3 maximum	< 0.3
Acid Value	0.5 maximum	Complies
Unsaponifiable matter	1.5 maximum	Complies

FATTY ACID PROFILE (%)	SPECIFICATION	ANALYSIS
Less than C14:0	0.1 maximum	Complies
C14:0 Myristic	0.05 - 0.2	Complies
C16:0 Palmitic	9 - 13	10.5
C16:1 Palmitoleic	0.05 - 0.3	Complies
C18:0 Stearic	2.5 - 5	3.9
C18:1 Oleic	17 - 30	23.5
C18:2 Linoleic	48 - 58	52.7
C18:3 Alpha Linolenic	5 - 11	7.3
C20:0 Icosanoic	1.0 maximum	0.3
C20:1 Icosenoic	1.0 maximum	0.2
C22:0 Docosanoic	1.0 maximum	Complies

Date of Packing: June 2020  
Date of Retest: June 2021

This COA is produced electronically therefore no signature is required.