



The Soap Kitchen
Unit E Swinton Bridge Industrial Estate
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CERTIFICATE OF ANALYSIS

PRODUCT NAME: Soy Bean Oil

Customer:	The Soap Kitchen	Order No:	PO478506
Quantity:	4 x 25 kilos	Batch No:	KMO1109
Date:	10.03.2023	Code No:	OIL065
Supplier Ref:	23003		

Appearance: A clear bright, pale-yellow liquid
Odour/Flavour: Bland or faintly typical, but free from rancid or foreign flavours/odours

TEST	SPECIFICATION	ANALYSIS
Free Fatty Acid Content (%)	0.1 maximum	0.03
Peroxide Value (meq O ₂ /kg)	1.0 maximum	0.5
Iodine Value	124.0 – 139.0	132.2
Colour (Lovibond 5¼")	2.0 Red maximum	0.7
Saponification Value	185.0 – 196.0	191.0
Refractive Index @ 20°C	1.473 typical	1.4741
Relative Density @ 20°C	0.919 – 0.925	Complies
Moisture (%)	0.1 maximum	Complies

FATTY ACID PROFILE (%)	SPECIFICATION	ANALYSIS
C16:0 Palmitic	8.0 – 13.5	10.3
C18:0 Stearic	2.0 – 5.4	4.0
C18:1 Oleic	17.0 – 30.0	22.5
C18:2 Linoleic	48.0 – 59.0	54.5
C18:3 Alpha Linolenic	4.5 – 11.0	7.6
C20:0 Icosanoic	1.0 maximum	0.3
C20:1 Icosenoic	1.0 maximum	0.2

***Product may contain Genetically Modified Organisms**

Date of Packing: March 2023
Date of Retest: March 2025