



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

PRODUCT NAME: Shea Oil

Customer:	The Soap Kitchen	Order No:	PO#478760
Quantity:	4 x 5 Kilos	Batch No:	KMO1954
Date:	05.05.2023	Code No:	OIL066
Supplier Ref:	06033M2001		

TEST	SPECIFICATION	ANALYSIS
Acid Value (mg KOH/g)	0.5 maximum	0.08
Iodine Value ($\text{gI}_2/100$)	75 - 90	87.6
Saponification Value (mg KOH/g)	175 - 195	192.1
Peroxide Value (meq O^2/kg)	2.0 maximum	0.9
Colour (Lovibond 5¼" cell)	50.0 yellow	7.5
	5.0 red	1.0
Cloud Point (°C)	+10	Pass
Pour Point (°C)	+5	Pass

FATTY ACID COMPOSITION (%)		
C12:0 Lauric	0.1 maximum	Traces
C14:0 Myristic	0.2 maximum	0.01
C16:0 Palmitic	3.5 – 6.5	4.35
C16:1 Palmitoleic	1.5 maximum	0.55
C18:0 Stearic	5 – 9	5.42
C18:1 Oleic	68 - 78	75.49
C18:2 Linoleic	7 - 18	12.12
C18:3 Alpha Linolenic	0.5 maximum	0.06

Date of Packing: April 2023
Date of Expiry: April 2025