



The Soap Kitchen
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CERTIFICATE OF ANALYSIS

PRODUCT NAME: Refined Babassu Oil

Customer:	Supplies for Candles Ltd	Order No:	PO#478856
Quantity:	1 x 25 kilos	Batch No:	KMO2342
Date:	30.05.2023	Code No:	BUT049
Supplier Ref:	0158590		

Appearance @ 20°C: A light yellow liquid at room temperature. An off white to very pale, yellow solid at temperatures of less than 20°C.
Odour: Free from rancid & foreign odours

TEST	SPECIFICATION	ANALYSIS
Refractive Index @ 40°C	1.440 – 1.465	1.452
Free Fatty Acid (% as Oleic)	0.5 maximum	0.12
Peroxide Value (meq/kg)	10.0 maximum	0.3
Iodine Value	10.0 – 20.0	14.4
Colour (Lovibond 5.25" Cell)	<3.5 Red	1.3
Acid Value (mg KOH/g)	1.0 maximum	0.24
Saponification Value	245.0 – 256.0	250.2

FATTY ACID COMPOSITION (%)		
C8:0 Caprylic	2.6 – 10.0	6.3
C10:0 Capric	1.2 – 7.8	5.6
C12:0 Lauric	37.0 – 55.0	45.2
C14:0 Myristic	11.0 – 27.0	15.9
C16:0 Palmitic	5.2 – 11.2	8.5
C18:0 Stearic	1.7 – 11.0	3.4
C18:1 Oleic	6.5 – 20.0	6.5
C18:2 Linoleic	1.4 – 6.7	4.9

Date of Packing: May 2023
Date of Expiry: May 2025