

# BABASSU OIL, REFINED

**INCI:** *Orbignya Oleifera Seed Oil*

**CAS:** 91078-92-1

**EINECS:** 293-376-2

**Manufacturing Method:** Expeller Pressed, Refined

**Shelf Life:** 24 months

## 1 TDS – TECHNICAL DATA SHEET

### Product Description

Babassu Oil, Refined is a lightweight vegetable oil obtained from the kernels of *Orbignya oleifera*. Due to its high lauric and myristic acid content, it provides a fast-absorbing, non-greasy skin feel and is widely used in cosmetic formulations, particularly in hair care, cleansers, and solid products.

### Physical & Chemical Properties

Parameter	Specification
Appearance	Oily liquid (solid butter below 20 °C)
Colour	Light yellow
Odour	Odourless
Colour Lovibond (5¼" cell)	≤ 15Y, 3.5R
Refractive Index @ 40 °C	1.440 – 1.465
Free Fatty Acid (% as oleic)	< 0.5
Peroxide Value (meq O <sub>2</sub> /kg)	< 10.0
Iodine Value	10.0 – 22.0
Acid Value	< 1.0
Saponification Value (mg KOH/g)	245.0 – 256.0

### Fatty Acid Profile (Typical)

Fatty Acid	Range (%)
Caprylic (C8:0)	2.6 – 10.0
Capric (C10:0)	1.2 – 7.8
Lauric (C12:0)	37.0 – 55.0
Myristic (C14:0)	11.0 – 27.0
Palmitic (C16:0)	5.2 – 11.2

Stearic (C18:0)	1.7 – 11.0
Oleic (C18:1)	6.5 – 20.0
Linoleic (C18:2)	1.4 – 6.7

## **Storage & Handling**

Store in a **cool, dry place**, protected from **light and heat**.

Product may solidify at temperatures below 20 °C — this does not affect quality.