

# TECHNICAL DATA SHEET

VERSION: SEPTEMBER 2025

## INGREDIENT INFORMATION

<b>Product name</b>	Babassu oil
<b>Botanical name</b>	Orbignya oleifera
<b>CAS Number</b>	91078-92-1
<b>INCI Name</b>	Orbignya oleifera seed oil
<b>Product use</b>	For personal care applications
<b>Origin</b>	Brazil

<b>Part used</b>	Seeds of Babassu
<b>Extraction Method</b>	Cold pressed
<b>Quality</b>	100% pure, unrefined

## ORGANOLEPTIC QUALITY

<b>Appearance</b>	Liquid
<b>Color</b>	Light yellow to yellow
<b>Odor</b>	Characteristic

## PROPERTIES:

	SPECIFICATION
<b>Density (g/ml)</b>	0.900 – 0.950
<b>Acid Value (% as lauric acid)</b>	Max 10
<b>Refractive value (at 40°C)</b>	1.46 - 1.47
<b>Peroxide Value (meqO<sub>2</sub>/kg)</b>	Max.15
<b>Saponification index (mg KOH/g)</b>	230 - 260
<b>Iodine Index (g I<sub>2</sub>/100g)</b>	10 - 20



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**Fatty acids composition:**

Fatty acid	SPECIFICATION (%)
C8:0 Caprylic Acid	4 - 12
C12:0 Lauric acid	43 - 56
C14:0 Myristic acid	8 - 17
C16:0 Palmitic acid	4 – 11
C18:1 Oleic Acid (Omega 9)	9 - 16
C18:2 Linoleic Acid (Omega 6)	Max 3

<b>Guarantees</b>	<ul style="list-style-type: none"> <li>• GMO free</li> <li>• Organically produced</li> <li>• Natural</li> <li>• Suitable for Vegan/Vegetarians</li> <li>• Free of irradiation</li> <li>• Not tested on animals</li> <li>• No preservatives/additives intentionally added</li> <li>• Not produced from species included in the CITES list.</li> <li>• No genetic resources were extracted to produce this vegetable oil. Hence the Nagoya protocol doesn't apply to this product.</li> <li>• Not considered as a VOC.</li> <li>• The natural index according to ISO 16128-1 and ISO 16128-2 are: Natural Index: 1 / Natural Origin Index: 1</li> <li>• RM questionnaire for COSMOS APPROVED available</li> </ul>
<b>Regulatory compliance</b>	<p><b>EU:</b></p> <ul style="list-style-type: none"> <li>• Exempted from Regulation (EC) No 1907/2006 (REACH).</li> <li>• The product does not contain any of the substances that are so far considered of very high concern (SVHC) by the European REACH Regulation.</li> <li>• Does not contain substances classified as CMR 1A, 1B or 2 according to Annex VI of Regulation EC 1272/2008 and its amendments.</li> <li>• Does not contain fragrance allergens listed in regulation 2023/1545, of July 26, 2023, amending Regulation (EC) No. 1223/2009 on the allergens listed in annex III.</li> <li>• No nanomaterials according to the EU recommendation 2022/C229/01.</li> <li>• In conformity with Regulation 396/2005/EC on maximum residue levels of pesticides.</li> </ul> <p><b>China:</b></p> <ul style="list-style-type: none"> <li>• Listed in the 'Inventory of Existing Cosmetic Ingredients in China (IECIC 2021)'</li> </ul> <p><b>USA:</b></p> <ul style="list-style-type: none"> <li>• Based on the actual production process and to the best of our knowledge, it doesn't contain any substance listed on California Proposition 65.</li> </ul>



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## **Stability and storage:**

Storage conditions: Cool, dark and dry. Keep away from direct sunlight.

Shelf life: 24 months if maintained in the original sealed package at room temperature (25°C).

