

- - Import and distrubition for Serbia: Avena Lab Farmadria d.o.o.
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## **CERTIFICATE OF ANALYSIS**

Product Name	BABASSU OIL	
Botanical Name	Orbignya oleifera	
Product Code	PCO4030	
CAS#	91078-92-1	
EINECS #	293-376-2	
INCI Name	Orbignya Oleifera Seed Oil	

Batch #	40302303
Manufacturing Date	MARCH 2023
Best Before Date	FEBRUARY 2025

Part Used	Seeds
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance	Light yellow at room temperature; white soft fat attemperatures less than 20°C	CONFORMS
Odour	Characteristic mild odour	CONFORMS
Refractive Index	1.450 - 1.490 @ 20°C	1.465
Specific Gravity (g/mL)	0.905 - 0.915 @ 20°C	0.911
Saponification Value (mgKOH/g)	240 - 260	247
Free Fatty Acids (% oleic)	Less than 1.0	CONFORMS
Moisture (%)	Less than 0.25	CONFORMS
Melting Point (°C)	25° - 38°	CONFORMS
Peroxide Value (meq O <sub>2</sub> /kg)	Less than 5.0	CONFORMS
lodine Value (g l <sub>2</sub> /100g)	13 - 18	15
Acid Value (mgKOH/g)	Less than 0.5	CONFORMS
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water	CONFORMS



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## **FATTY ACID COMPOSITION:**

FATTY ACID	C-CHAIN	SPECIFICATIONS (%)	RESULTS (%)
Caprylic Acid	C8:0	2.00 – 11.00	5.90
Capric Acid	C10:0	1.00 - 8.00	4.90
Lauric Acid	C12:0	40.00 – 48.00	42.9
Myristic Acid	C14:0	15.00 – 20.00	17.3
Palmitic Acid	C16:0	7.00 – 11.00	8.90
Stearic Acid	C18:0	1.00 – 11.00	4.90
Oleic Acid	C18:1 (n-9)	10.00 – 15.00	13.8
Linoleic Acid	C18:2 (n-6)	10.00 – 15.00	12.3

MICROBIAL ANALYSIS	SPECIFICATIONS	STANDARDS	<u>RESULTS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149	CONFORMS
Yeast and Mould	< 10 CFU/g	ISO 16212	CONFORMS
Candida albicans	ABSENT / 1g	ISO 18416	CONFORMS
Escherichia coli	ABSENT / 1g	ISO 21150	CONFORMS
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717	CONFORMS
Staphylococcus aureus	ABSENT / 1g	ISO 22718	CONFORMS

HEAVY METAL TESTS	SPECIFICATIONS	STANDARDS	RESULTS
Lead: Pb (mg/kg or ppm)	< 10 ppm	na	CONFORMS
Arsenic: As (mg/kg or ppm)	< 2 ppm	na	CONFORMS
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na	CONFORMS

## **STABILITY AND STORAGE:**

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.