

**CERTIFICATE OF ANALYSIS
ORGANIC BAOBAB SEED OIL**

Representative COA | Updated: September 2026

REPRESENTATIVE / INDICATIVE CERTIFICATE OF ANALYSIS

This COA represents the supplied grade and is provided for technical evaluation. We supply commercial orders against the allocated production batch, with the corresponding batch-specific COA provided before shipment.

1. PRODUCT IDENTIFICATION

Product Name	Baobab Seed Oil – Organic
INCI Name	Adansonia Digitata Seed Oil
Botanical Name	Adansonia digitata
Plant Part	Seed
Country of Origin	South Africa
Grade	Organic, unrefined cold-pressed cosmetic lipid oil

2. REPRESENTATIVE BATCH INFORMATION

Sample Description	Organic Baobab Seed Oil
Representative Batch	MGBO22/02/04/03/26
Production Date	02 March 2026
Retest Date	02 March 2029
Extraction Method	Cold Press
Source COA	MGBO22/02/04/03/26

3. ANALYTICAL RESULTS

Parameter	Method	Result	Units
Colour	Sensory	Yellow	-
Odour	Sensory evaluation	Complies	-
Moisture	Loss on drying	0.04	%
Refractive Index	AOAC 920.141	1.466	nD
Peroxide Value	Titrimetric (AOCS 965:33)	4.92	meq O ₂ /kg
Acid Value	Titrimetric (AACC 02-01.02)	1.26	mg KOH/g
Free Fatty Acids	Calculation	0.63	%
Density (20°C)	Calculation	0.91	-
Saponification Value	Titrimetric (AACC 02-01.02)	191	mg KOH/g
Iodine Value	Titrimetric (AACC 02-01.02)	79.00	g I ₂ /100 g
Oleic Acid (C18:1)	Gas Chromatography	30.71	%
Linoleic Acid (C18:2)	Gas Chromatography	30.70	%
α-Linolenic Acid (C18:3)	Gas Chromatography	0.355	%

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Cis-15-Tetracosenoic Acid (C24:1)	Gas Chromatography	Not detected	-
Palmitic Acid (C16:0)	Gas Chromatography	24.70	%
Stearic Acid (C18:0)	Gas Chromatography	3.58	%
Arachidic Acid (C20:0)	Gas Chromatography	0.821	%
Lignoceric Acid (C24:0)	Gas Chromatography	0.223	%
Tricosanoic Acid (C23:0)	Gas Chromatography	0.0	%
Total Viable Count	AOAC Official Method 966.23	10	cfu/g
Yeasts	AOAC Official Method 966.23	0	cfu/g
Mould	AOAC Official Method 966.23	14	cfu/g
Lead (Pb)	ICP-MS	0.002	mg/kg
Arsenic (As)	ICP-MS	0.004	mg/kg
Cadmium (Cd)	ICP-MS	0.013	mg/kg
Mercury (Hg)	ICP-MS	<0.001	mg/kg
Pesticide Residues	GC-MS / LC-MS	Not detected	-
Physical Contaminants	Visual Inspection	Not detected	-

4. STATUS & TRACEABILITY

Organic status: Certified organic. Batch traceability and applicable organic certification documentation are available.

5. IMPORTANT NOTE

The analytical values above relate to the representative batch identified in this document and should not be interpreted as guaranteed results for every future batch. Natural variation may occur between production batches. The batch-specific COA issued for the material allocated to an order governs that shipment.

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