

CERTIFICATE OF ANALYSIS
ORGANIC XIMENIA AMERICANA SEED OIL

Representative COA | Updated: September 2026

REPRESENTATIVE / INDICATIVE CERTIFICATE OF ANALYSIS

This COA is representative of the supplied grade and is provided for technical evaluation. Commercial orders are supplied against the allocated production batch, with the corresponding batch-specific COA provided prior to shipment.

1. PRODUCT IDENTIFICATION

Product Name	Ximenia Americana Seed Oil – Organic
INCI Name	Ximenia Americana Seed Oil
Botanical Name	Ximenia americana
Plant Part	Seed
Country of Origin	Zimbabwe
Grade	Organic, unrefined cold-pressed cosmetic lipid oil

2. REPRESENTATIVE BATCH INFORMATION

Sample Description	Organic Ximenia Americana Seed Oil
Representative Batch	MGX22/09/04/02/26
Production Date	09 February 2026
Retest Date	08 February 2028
Extraction Method	Cold Press
Source COA	MGX22/09/04/02/26

3. ANALYTICAL RESULTS

Parameter	Method	Result	Units
Colour	Sensory evaluation	Yellow	-
Odour	Sensory evaluation	Complies	-
Moisture	Loss on drying	0.03	%
Peroxide Value	Titrimetric (AOCS 965:33)	3.62	meq O ₂ /kg
Acid Value	Titrimetric (AACC Methods 02-01.02)	2.14	mg KOH/g
Free Fatty Acids	Calculation	1.57	%
Density (20°C)	Calculation	0.92	-
Saponification Value	Titrimetric (AACC Methods 02-01.02)	184.3	mg KOH/g
Iodine Value	Titrimetric (AACC Methods 02-01.02)	155	g I ₂ /100 g
Oleic Acid (C18:1)	Gas Chromatography	37.55	%

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Ximeninic Acid (C18:1)	Gas Chromatography	18.8	%
Linoleic Acid (C18:2)	Gas Chromatography	0.34	%
α -Linolenic Acid (C18:3)	Gas Chromatography	0.48	%
Erucic Acid (C22:1)	Gas Chromatography	0.7	%
Nervonic Acid (C24:1)	Gas Chromatography	3.8	%
Ximenic Acid (C26:1)	Gas Chromatography	5.4	%
Octacosenoic Acid (C28:1)	Gas Chromatography	12.1	%
Palmitic Acid (C16:0)	Gas Chromatography	0.97	%
Stearic Acid (C18:0)	Gas Chromatography	0.83	%
Lignoceric Acid (C24:0)	Gas Chromatography	2.98	%
Cerotic Acid (C26:0)	Gas Chromatography	2.4	%
Total Viable Count of Bacteria	AOAC Official Method 966.23	74	CFU/g
Yeasts	AOAC Official Method 966.23	0	CFU/g
Mould	AOAC Official Method 966.23	68	CFU/g
Lead (Pb)	ICP-MS	0.006	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

4. STATUS & TRACEABILITY

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

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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