

MIDEKA XIMENIA SEED OIL



Botanical & Traditional Context

Ximenia trees form part of a family of semi-deciduous shrubs, and are scattered across various low-altitude and grassland regions of Africa. The shrubs were originally named after the 17th century Spanish monk Francisco Ximenez, and are affectionately known as the 'wild plum' or 'monkey plum' tree. Typically, the shrubs grow to a height of 6m, and with an untidy open crown.

The glossy dark reddish-brown fruit consists of white spots, and are plum-like in size – usually growing to a length of up to 30mm. Cutting open the fruit reveals a tasty and edible pale orange pulp, and a single soft-cream coloured large seed that is rich in oil. The fruit ripens from May to July.

Ximenia oil has reportedly been used primarily as an emollient, conditioner, skin softener and in hair and body concoctions. The word 'mideka' means to rejuvenate in the tribal regions of north-west Ethiopia.

Product Name & Variant

Mideka Ximenia Oil – Refined.

Ingredients

Contents: 100% *Ximenia americana* seed oil.

Stabilizers: Blanketed with nitrogen.

Registration and Regulatory

INCI:	<i>Ximenia Americana</i> Seed Oil
CAS No:	95193-67-2
EINECS No:	305-880-2
NMPA No:	002735-02065-4799
ABS/Nagoya:	Compliant
REACH Status:	Exempt - natural product



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100% GENUINE
PRODUCT

Key Application/s

Protection & recovery – Anti-pollution, from environmental stressors

Microcirculatory stimulation - skin and scalp/follicles

Antioxidant.

Key Content

Large portions of monoenoic fatty acids, including ximenynic fatty acid

Substantial tocotrienol content

Considerable lupeol and β -amyrin.

Benefits

Increases blood circulation

Anti-oxidant

Anti-inflammatory & -stress

Anti-microbial.

Physiochemical Properties

Property	Refined
Physical State at 20°C	Clear - opaque viscous liquid. Zero-low odour
Gardner Colour	0.0 - 5.0
Acid Value (mg KOH/g)	0.0 - 10.0. At production 0.0 - 4.0, max. 10.0 during shelf life.
Free Fatty Acid (% oleic acid)	0.0 - 5.00. At production 0.0 - 2.0, max. 5.00 during shelf life.
Peroxide Value (mEq O ₂ /kg)	0.0 - 13.0. At production 0.0 - 5.0, max. 13.0 during shelf life.
Iodine Value (g/100g)	75.0 - 90.0
Moisture (%)	0.0 - 1.0
Key Fatty Acid Profile (%)	18:1 Oleic acid: 35.0 – 50.0 18:1 Ximenynic acid: 10.0 – 20.0 18:3 Alpha Linolenic acid: 0.0 – 3.0 24:0 Lignoceric acid: 0.0 – 5.0 24:1 Nervonic acid: 3.0 – 7.0 26:0 Cerotic acid: 0.0 – 5.0 26:1 Ximenic acid: 3.0 – 7.0 28:0 Ximenixic acid: 0.0 – 5.0 28:1 Octacosenoic acid: 5.0 – 15.0 30:0 Mellisic acid: 3.0 – 10.0
Solubility:	Soluble in cosmetics esters and vegetable oils; insoluble in water.
Shelf Life/Retest:	24 Months

Formulation and Usage (Indicative)

Category	Form	% Usage (Up to)
Anti-ageing	Creams, nano-emulsions	7
Hair care/growth	Shampoo, conditioner, scalp mask, leave-in-lotion	3
Facial skin care	Facial gels and serum, cleansing gel	10
Lip care	Lip balm, lip repair cream, lipstick	5
Hand & body care	Moisturising cream, hydration lotion, body massage	10/50

Toxicology

Non irritating to skin and eyes. Non-toxic.

Storage

To prolong shelf life, store in dry and light protected locations at ambient temperatures.

Supply & Production Chain

Seed Origin/s: Zimbabwe or Ethiopia. (Refer to CoA for specific location).

Manufacture & Locations: Manufactured in Europe. Cold-pressed and refined in an ISO9001-, HACCP-, food-grade, FSSC22000- and GMP- certified facility.

Laboratory Testing: Independent and accredited European laboratory. Testing performed in accordance with European Pharmacopoeia 10th Edition.

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