

COSMETICS PRODUCT LIST



Cosmetics Product List

Product Name & Kupanda Product Code	Product Identifiers INCI CAS (EU) CAS (US) EINECS	Grade		Physical State at 20°C	Key Components/ Characteristics
		COSMOS Approved	Organic-certified		
Wala Moringa Seed Oil Refined (0212)	Moringa oleifera seed oil 93165-54-9 - 296-941-1	✓		<ul style="list-style-type: none"> Colour: clear - pale yellow Odour: none-low, characteristic. 	<ul style="list-style-type: none"> High oleic and meaningful behenic fatty acids Balanced α-, β-, and γ-tocopherol ratios High β-sitosterol, Δ5 avenasterol, and campesterol Lipid soluble antioxidants.
Mfula Marula Seed Oil Refined (0312)	Sclerocarya birrea seed oil 68956-68-3 - 273-313-5	✓		<ul style="list-style-type: none"> Colour: clear - pale yellow Odour: none-low, characteristic. 	<ul style="list-style-type: none"> High oleic, coupled with palmitic and stearic fatty acids High unsaponifiable fraction Exceptionally high β-sitosterol, and Δ5- avenasterol.
Mideka Ximenia Seed Oil Refined (0412)	Ximenia americana seed oil 95193-67-2 - 305-880-2	✓		<ul style="list-style-type: none"> Colour: clear - pale yellow Odour: none-low, characteristic. 	<ul style="list-style-type: none"> Large portions of monoenoic fatty acids, including ximenynic fatty acid Substantial tocotrienol content Considerable lupeoland β-amyrin.
Elula Kalahari Melon Seed Oil Refined (0512)	Citrullus lanatus / vulgaris seed oil 90244-99-8 - 290-802-9	✓		<ul style="list-style-type: none"> Colour: Clear - pale yellow Odour: none-low, characteristic. 	<ul style="list-style-type: none"> Generous linoleic, coupled with oleic, palmitic and stearic fatty acids High γ-tocopherol Significant β-sitosterol, campesterol and squalene.
Buhle Manketti Seed Oil Refined (0612)	Schinziophyton rautanenii kernel oil 68956-68-3 - 273-313-5	✓		<ul style="list-style-type: none"> Colour: clear Odour: none-low, characteristic. 	<ul style="list-style-type: none"> Relatively low oleic to linoleic fatty acid proportions Comparatively high eleostearic fatty acid Exceptionally high γ-tocopherol and robust β-sitosterol.
Moyo Baobab Seed Oil Refined (0112)	Adansonia digitata seed oil 91745-12-9 225233-93-2 294-680-8	✓	✓	<ul style="list-style-type: none"> Colour: clear - pale yellow Odour: none-low, characteristic. 	<ul style="list-style-type: none"> Broadly balanced ratios of palmitic, oleic and linoleic fatty acids Robust β-sitosterol and γ-tocopherol.

Benefits	Application									
	Protection & Recovery		Skin Microbiome		Cleansing & Moisturing	Micro-circulatory Action	Filmogen for Hair / Skin		Anti-oxidant	Exfoliant
	Barrier Function (from xerotic skin)	Anti-Pollution (from environmental stressors)	Skin Microflora Re-balance	Cleansing & Anti-blemish/Spots	Hydrating / Moisturising / Occlusive	Circulatory Stimulant - sSkin & Scalp / Follicles	Filmogen for Hair	Filmogen for Skin - Tightening & / or Firming	Antioxidant	Skin Cleansing and smoothness
<ul style="list-style-type: none"> • Stratum corneum integrity • Anti-oxidant • Anti-microbial. 	✓		✓	✓					✓	
<ul style="list-style-type: none"> • Radical scavenger • Anti-inflammatory. 		✓			✓				✓	
<ul style="list-style-type: none"> • Increases blood circulation • Anti-oxidant • Anti-inflammatory & anti-stress • Anti-microbial. 		✓		✓		✓			✓	
<ul style="list-style-type: none"> • Skin oil - multiple applications • Anti-inflammatory • Vitamin E content • Highly efficient peroxy-radical scavenging activity. 	✓	✓		✓					✓	
<ul style="list-style-type: none"> • Anti-oxidant • Film forming nature on skin for serious skin dryness • Atopic dermatitis. 	✓				✓		✓	✓	✓	
<ul style="list-style-type: none"> • Radical scavenger • Moisture retention and hydration • TEWL reduction. 					✓				✓	

Product Name & Kupanda Product Code	Product Identifiers INCI CAS (EU) CAS (US) EINECS	Grade		Physical State at 20°C	Key Components/ Characteristics
		COSMOS Approved	Organic-certified		
Salala Baobab Exfoliant 500 (0141) 1000 (0142)	Adansonia digitata seed extract 91745-12-9 - 294-680-8	✓		<ul style="list-style-type: none"> State: Powder Colour: Brown Odour: characteristic Particle size: 500: 100-500 microns 1000: 500-1000 microns 	<ul style="list-style-type: none"> Moderate abrasiveness (3/5) Asymmetrical (non-jagged) particle shape.
Nakisa Kalahari Melon Exfoliant 500 (0541) 1000 (0542)	Citrullus lanatus (watermelon) fruit extract 90244-99-8 - 290-802-9	✓		<ul style="list-style-type: none"> State: Powder Colour: Brown Odour: characteristic Particle size: 500: 100-500 microns 1000: 500-1000 microns 	<ul style="list-style-type: none"> Moderate abrasiveness (3/5) Asymmetrical (non-jagged) particle shape.
Muvhuyu Baobab Fruit Pulp Powder (0121)	Adansonia digitata pulp extract 91745-12-9 225233-93-2 294-680-8		✓	<ul style="list-style-type: none"> State: Powder Colour: off white Odour: light, characteristic Particle size: <100 micron. 	<ul style="list-style-type: none"> High content of multivitamins, especially vitamin C, magnesium and calcium Considerable pectin

Benefits	Application									
	Protection & Recovery		Skin Microbiome		Cleansing & Moisturing	Micro-circulatory Action	Filmogen for Hair / Skin		Anti-oxidant	Exfoliant
	Barrier Function (from xerotic skin)	Anti-Pollution (from environmental stressors)	Skin Microflora Re-balance	Cleansing & Anti-blemish/Spots	Hydrating / Moisturising / Occlusive	Circulatory Stimulant-Skin & Scalp / Follicles	Filmogen for Hair	Filmogen for Skin - Tightening &/or Firming	Antioxidant	Exfoliation
<ul style="list-style-type: none"> Removes dry/dead skin cells Softens and smoothes skin No erythema. 										✓
<ul style="list-style-type: none"> Removes dry/dead skin cells Softens and smoothes skin No erythema. 										✓
<ul style="list-style-type: none"> Anti-oxidant protection Natural thickener 					✓				✓	



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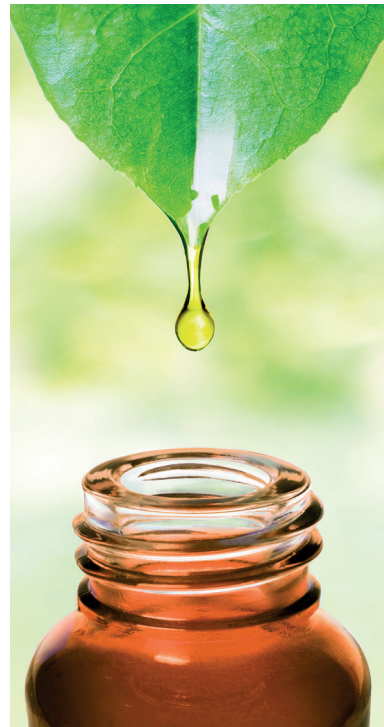
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KUPANDA

African Natural Botanicals





The word 'kupanda' in Swahili means to mount, plant, grow, sow, ascend, rise or to escalate.



Kupanda is a specialist producer of niche, high-value and esoteric raw materials/ingredients from natural plant items of African origin.

Our customers span across the international beauty & personal care, food & beverage and pharmaceutical industries.

The 'Kupanda Way'

The 'Kupanda Way' is to respect the integrity of the plant's natural properties, thereby allowing the plant's pure and unhindered benefits to sustain our lives.

This concept extends into every aspect of our business - from our plant-based presence, ethical and traceable sourcing approach, social development agenda, quality-orientated mindset, corporate growth plans, to our valued stakeholder relationships.



Purpose

Sustainable, ethical and profitable production and distribution of niche African, high value natural botanical raw materials and ingredients.

Corporate values

Quality

We commit to high standards of delivery across our business:

- > Product quality delivered to valued clients
- > Operational processes, controls and protocols
- > Staff professionalism.



Sustainability

Balancing the use of our planet's precious resources today, for the benefit of tomorrow:

- > Sustainable farming and sourcing methods
- > Circular economy
- > Environment protection



Collaboration

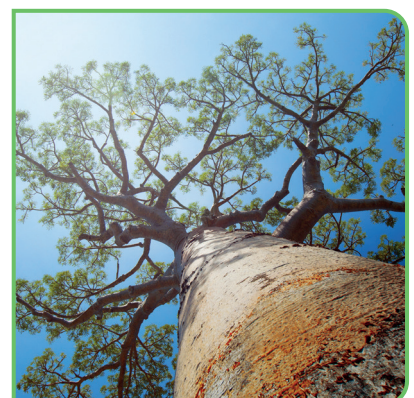
As the African natural botanical industry develops, we maintain proactive and mutually beneficial partnerships.



Longevity

For us, the pursuit of longevity preserves quality, as reflected in:

- > Long-term stakeholder relationships
- > Technical innovations
- > Operational aspects.



Guiding principles

Aligned to our purpose and values are 5 guiding principles, which further define our corporate ethos:

- > Balance commercial gain, social development and environmental preservation
- > Optimise African supply chains
- > Establish and support scalable business-mindsets
- > Establish a collaborative nature of participation with industry, whilst retaining the independence to develop our distinct competitive edge
- > Instil our values in all aspects of our activities, and deal with stakeholders who respect our values.

Products derived from pure nature

6 key 'Clean Beauty' principles underpin our product proposition:

- > Pertinent niche and precious raw materials and ingredients
- > Products that are mystique in nature to the Western world, yet supported by scientific literature and tested in accredited European laboratories
- > Harvested to preserve the tree/plant's ecosystem
- > Reliable, diversified supply chains across Africa
- > Quality assurance, consistently meeting international standards
- > 'Green' label - sourced naturally, then processed without chemicals.



We offer 3 product lines:

For Beauty and Personal Care

- > Active vegetable oils
- > Physical exfoliants

For Food and Nutraceutical

- > Plant powders.





Cold-pressed refined active vegetable seed oils:

- Baobab oil
- Moringa oil
- Marula oil
- Ximenia oil
- Kalahari melon oil
- Manketti oil.



Exfoliants:

- Baobab Exfoliant
- Kalahari Melon Exfoliant.

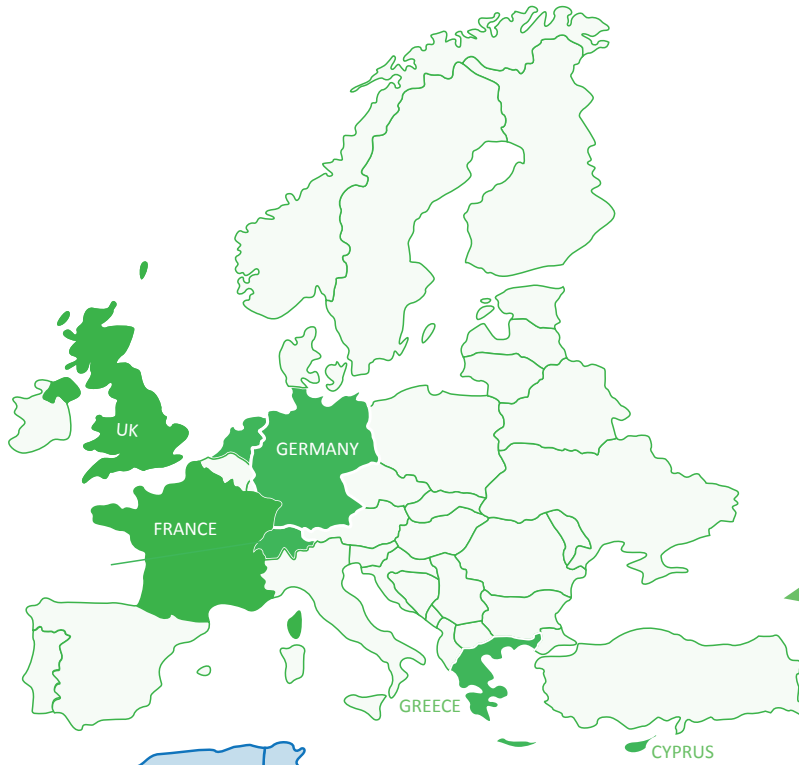


Plant powder:

- Baobab powder.



Multi-geographical presence, with ke



Cyprus:
Kupanda Ltd Group HQ.
Commercial, quality

Europe:
Production activities
Global Logistics Centre
Accredited laboratories



South Africa:
Kupanda Africa (Pty)
as our pan-African so

Pan-Africa:
Raw material sourcing
production

Key partnerships in Africa and Europe

The Kupanda Group consists of:

Kupanda Ltd, which acts as our Corporate Head Office. Domiciled in Cyprus, Kupanda Ltd acts as our European entity and primarily manages marketing & sales, production, customer logistics, quality management and corporate administration.

Kupanda Africa (Pty) Ltd, a wholly-owned South African subsidiary, is primarily responsible for the co-ordination and delivery of sourcing activities, and social development activities.

In addition, our critical business partnerships with key service providers allows us to meet the high standards and requirements of our international customer base.

a:
) Ltd, acts
sourcing hub.

and powder

Pan-African operations with a global supply chain

Sourcing and Production

Our raw materials are sourced from multiple African geographies and are brought to Europe for production activities.

Production activities are outsourced to specialist toll manufacturers with accredited facilities for:

- > ISO 9001
- > HACCP
- > FSSC 22000
- > Organic
- > Food grade production
- > Kosher and Halal
- > EFfCI GMP

Supply Chain

Our supply chain management system robustly connects Africa with Europe, and beyond. Working with recognisable and trusted logistics partners, who provide international freight facilities and warehousing out of Hamburg, Germany, we are well poised for 'just-in-time' delivery to meet our customer's production schedules.



Quality standards to meet exceptional



Quality and Regulatory

Our product quality standards stipulates minimum criteria, scope of testing and analysis requirements.

At a minimum level, European Commission requirements, regulations and protocols are 'non-negotiable' benchmarks.

European standards



Testing and Analysis

Laboratory testing of our products is performed in accredited laboratories, located in Europe. The laboratories are ISO/IEC 17025:2005 accredited, and testing is performed in accordance with the European Pharmacopoeia 9th Edition.

The results of testing and analysis are fed back to operational activities to create a virtuous circle of learning.

Social Development: a 'building blocks' approach towards poverty alleviation

Economic Empowerment

We actively promote community collectors in our sourcing model, which leads to additional income, and a greater sense of self-purpose.

Humanitarian and Social Support

Kupanda has established links with NGOs and social development agencies to support their local upliftment initiatives. Past initiatives have included the building of a water boreholes, donation to purchase much needed Covid-19 supplies for medical clinics, while other initiatives include the provision of school books and stationary, increasing IT connectivity and literacy.





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BUHLE MANKETTI SEED OIL



Botanical & Traditional Context

The manketti tree (also known as the ‘mongongo tree’), is scattered around southern Africa, usually distributed in large clusters which span a width of several kilometers. Taking a minimum of 25 years to bear fruit, the tree grows up to 20 meters in height.

Manketti trees commence flowering from October, which then leads to fruition during February – April. The manketti fruit, broadly the size and shape of a common plum, emits a pleasant aromatic fragrance. The prized, creamy-yellow kernels, which is rich in oil and nutrients is encased in a protective shell.

Communities have reported using the oil in the form of a lotion, to detangle and strengthen hair, and as a body oil, especially during winter months.

The word ‘buhle’ means beauty in the African language of Ndebele, which is spoken in the north-western regions of Zimbabwe – one of our sourcing zones.

Product Name & Variant

Buhle Manketti Seed Oil – Refined.



Ingredients

Contents: 100% *Schinziophyton rautanenii* seed oil.

Stabilizers: Blanketed with nitrogen.

Registration and Regulatory

INCI: *Schinziophyton rautanenii* Kernel Oil
CAS No: 68956-68-3
EINECS No: 273-313-5
ABS/Nagoya: Compliant
REACH Status: Exempt - natural product

Key Application/s

Protection & recovery – barrier function (from xerotic skin)

Filmogen for hair

Filmogen for skin – tightening and/or firming

Anti-oxidant.

Key Properties

Relatively low oleic to linoleic fatty acid proportions

Comparatively high eleostearic fatty acid

Exceptionally high γ -tocopherol and robust β -sitosterol.

Benefits

Anti-oxidant

Film forming nature on skin for skin dryness

Atopic dermatitis.

Physiochemical Properties

Property	Refined
Physical state at 20°C	Clear - light yellow colour, liquid form, zero-low odour.
Acid Value (mg KOH/g)	0.0 - 4.0
Peroxide Value (mEq O ₂ /kg)	0.0 - 5.0
Saponification Value (mg KOH/kg)	170.0 - 200 .0
Unsaponifiable Matter (%)	0.0 - 1.5
Iodine Value (g/100g)	105.0 - 135.0
Moisture (%)	0.0 -1.0
Key Fatty Acid Profile (%)	16:0 Palmitic acid: 7.0 – 15.0 18:0 Stearic acid: 6.0 – 11.0 18:1 Oleic acid: 13.0 – 25.0 18:2 Linoleic acid: 30.0 – 50.0 18:3 Elaeostearic acid: 15.0 – 30.0
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)
Facial skin care	Facial gels and serums	10
Hand & body care	Moisturising creams, hydration lotions, body massage oils	10/100
Anti-ageing	Skin-tightening/lifting creams, nano-emulsions	15
Hair care	Shampoo, conditioner, hair mask, leave in lotions, and styling products	5
Soaps	Hand soap bars, liquid soap	15
Lip care	Lip balm, lip repair cream, lipstick	10

Toxicology

Non irritating to skin and eyes. Non-toxic.

Storage

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

Supply & Production Chain

Seed Origin/s: Zimbabwe or Namibia (refer to CoA for exact origin).

Manufacture & Locations: Manufactured in Europe. Cold-pressed in an ISO 9001-, HACCP-certified, food-grade facility and physically refined in an FSSC22000 and GMP- certified facility.

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

Date: 31 January 2023 | Version: 3.2

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ELULA KALAHARI MELON SEED OIL



Botanical & Traditional Context

As the name suggests, the kalahari melon is a wild fruit that originates from the southern African Kalahari desert. The melon is the biological predecessor to the common watermelon, and is relatively smaller in size and rounder in shape, with irregular pale and dark green scattered bands emanating from the fruit's stalk. Unlike the common watermelon, the bitter tasting pulp is yellow-green, and conceals numerous oil-rich brown seeds. The miracle of the kalahari melon is its ability to withstand the unrelenting heat and drought conditions offered by the Kalahari desert.

The San tribe, hunter-gatherers from southern Africa, relied on the critical nourishment provided by kalahari melons; while ancient Egyptians applied the oil to maintain a healthy appearance, and as an emollient in cosmetics formulations.

The word 'elula' means to be or feel smooth in the southern African language of Xhosa, which is spoken in South Africa – one of our sourcing regions.

Product Name & Variant

Elula Kalahari Melon Seed Oil – Refined.

Ingredients

Contents: 100% *Citrullus lanatus* seed oil.

Stabilizers: Blanketed with nitrogen.

Registration and Regulatory

INCI:	<i>Citrullus lanatus</i> Seed Oil
CAS No:	90244-99-8
EINECS No:	290-802-9
NMPA No:	006874-02065-2610
ABS/Nagoya:	Compliant
REACH Status:	Exempt - natural product



Key Application/s

Protection & recovery – barrier function (from xerotic skin)
Anti-pollution (from environmental stressors)
Skin microbiome – cleansing & anti-blemish/spots
Anti-oxidant.

Key Content

Generous linoleic acid, coupled with oleic, palmitic and stearic fatty acids
High γ -tocopherol
Significant β -sitosterol, campesterol and squalene.

Benefits

Skin oil - multiple applications
Anti-inflammatory
Vitamin E content
Highly efficient peroxyl-radical scavenging activity.

Physiochemical Properties

Property	Refined
Physical state at 20°C	Clear-pale yellow colour, liquid form, zero-low odour.
Acid Value (mg KOH/g)	0.0 - 4.0
Peroxide Value (mEq O ₂ /kg)	0.0 - 5.0
Saponification Value (mg KOH/kg)	175.0 - 200.0
Unsaponifiable Matter (%)	0.0 - 1.5
Iodine Value (g/100g)	115.0 - 135.0
Moisture (%)	0.0 - 1.0
Key Fatty Acid Profile (%)	16:0 Palmitic acid: 8.0 – 13.0 18:0 Stearic acid: 5.0 – 11.0 18:1 Oleic acid: 10.0 – 23.0 18:2 Linoleic acid 55.0 – 75.0 18:3 Alpha Linoleic acid: 0.0 – 1.0 20:0 Arachidic acid: 0.0 – 1.0
Solubility:	Soluble in cosmetics esters and vegetable oils; insoluble in water
Shelf Life/Retest:	30 Months

Formulation and Usage (Indicative)

Category	Form	% Usage (Up to)
Facial skin care	Facial cleansing gels, facial scrubs	10
Hand & body care	Creams & lotions, body massage oil, aromatherapy oil	25/100
Soaps	Hand soap bars, liquid soap	15
Lip care	Lip balm, lip repair cream, lipstick	10

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.

Manufacture & Locations: Cold-pressed in an ISO 9001-, HACCP-, food-grade certified facility and physically refined in an FSSC22000 and GMP- certified facility.

Laboratory Testing: Independent and accredited EU laboratory. Testing done in accordance with European Pharmacopoeia 10th edition.

Date: 07 December 2022 | Version: 5.0

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MFULA MARULA SEED OIL



Botanical & Traditional Context

Marula trees are widely distributed throughout the semi-arid savannahs of eastern and southern Africa. Pollination of the tree's delightful flowers produces one of Africa's botanical gems – the marula fruit, which ripens from January until April.

The size of golf-balls, ripe marula fruit consists of an exotic tasting juicy white pulp, which is used to produce alcoholic beverages. Enclosed within the pulp is a tightly-held brown-coloured nut, which consists of 2-3 fragile, yet prized marula kernels.

In southern Africa, marula oil has been used as an emollient for babies, and in body lotions for face, feet and hands to address dry and/or cracking skin.

The word 'mfula' means to extract natural radiance in the African language of Chichewa.

Product Name & Variants

Mfula Marula Oil – Refined.



Ingredients

Contents: 100% *Sclerocarya birrea* seed oil.

Stabilizers: Blanketed with nitrogen.

Registration and Regulatory

INCI: *Sclerocarya birrea* Seed Oil
CAS No: 68956-68-3
EINECS No: 273-313-5
NMPA No: 001527-02065-6042
ABS/Nagoya: Compliant
REACH Status: Exempt - natural product

Key Application/s

Cleansing and moisturising
Hydration
Occlusive
Anti-oxidant.

Key Content

High oleic, coupled with palmitic and stearic fatty acids.
High unsaponifiable fraction
Exceptionally high levels of β -sitosterol and $\Delta 5$ -avenasterol.

Benefits

Radical scavenger
Anti-inflammatory.

Physiochemical Properties

Property	Refined
Physical state at 20°C	Clear – pale yellow colour, liquid form, with zero-low odour.
Acid Value (mg KOH/g)	0.0 - 5.0
Peroxide Value (mEq O ₂ /kg)	0.0 - 5.0
Saponification Value (mg KOH/kg)	180.0 - 200.0
Unsaponifiable Matter (%)	0.0 - 2.0
Iodine Value (g/100g)	65.0 - 85.0
Moisture (%)	0.0 - 1.0
Key Fatty Acid Profile (%)	16:0 Palmitic acid: 6.0 – 20.0 18:0 Stearic acid: 3.0 – 15.0 18:1 Oleic acid: 65.0 – 80.0 18:2 Linoleic acid: 2.0 – 10.0 20:0 Arachidic acid: 0.0 – 2.0 20:1 Eicosenoic (Gondoic) acid: 0.0 – 3.0
Solubility:	Soluble in cosmetics esters and vegetable oils; insoluble in water
Shelf Life/Retest:	30 Months

Formulation and Usage (Indicative)

Category	Form	% Usage (Up to)
Soaps	Hand soap bars, liquid soap	15
Bath additives	Bath wash, after bath/moisturising oil	10/100
Facial skin care	Cleansing gel, facial serum, makeup primer	5
Hand & body care	Moisturising cream, hydration lotion, body massage	10/100
Hair care	Shampoo, conditioner, scalp mask, leave-in-lotion	5
Lip care	Lip balm, lip repair cream, lipstick	10

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 (refer to CoA for specific location).

Manufacture & Locations: Manufactured in Europe. Cold-pressed and physically refined in an FSSC22000 and GMP certified facilities.

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

Date: 17 February 2023 | Version: 2.9

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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: *Ximenia Americana* 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

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	Colour: Transparent - yellow Appearance: Clear - opaque viscous liquid Zero-low odour	
Acid Value (mg KOH/g)	0.0 - 4.0	
Peroxide Value (mEq O ₂ /kg)	0.0 - 5.0	
Saponification Value (mg KOH/kg)	150.0 – 200.0	
Unsaponifiable Matter (%)	0.0 – 1.5	
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 in an ISO 9001-, HACCP-certified, food- grade acility and physically refined in an FSSC22000 and GMP- certified, facility.

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

Date: 31 January 2023 | Version: 3.9

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MOYO BAOBAB SEED OIL



Botanical & Traditional Context

The baobab tree is found throughout Africa, and is commonly referred to as the ‘Tree of Life’ or ‘Upside Down Tree’. Standing aloft across the African savannah, the trees are firmly entrenched in the local culture. The baobab fruit ripens during March to June in southern Africa, and November to December in the northern parts of the continent. Opening the baobab shell reveals a creamy-white coloured pulp that smothers black bean-sized seeds, which are pressed to produce a flowing golden oil.

Traditionally, baobab oil has been used as a moisturiser and massage oil, as well as for hair and body conditioning. Beyond personal care, the oil is known to be used with other plants to treat medical conditions, and for cooking.

The word ‘moyo’ means life in the African language of Chichewa, which is spoken in Malawi – one of our sourcing regions.

Product Name & Variant

Moyo Baobab Oil – Refined.

Ingredients

Contents: 100% *Adansonia digitata* seed oil

Stabilizers: Blanketed with nitrogen.

Registration and Regulatory

INCI:	<i>Adansonia digitata</i> Seed Oil
CAS No:	91745-12-9
EINECS No:	294-680-8
NMPA No:	002909-02065-3724
ABS/Nagoya:	Compliant
REACH Status:	Exempt - natural product



Key Application/s

Cleansing and moisturising
Hydration
Occlusive
Anti-oxidant.

Key Content

Broadly balanced ratios of palmitic, oleic and linoleic fatty acids
Robust levels of β -sitosterol and γ -tocopherol.

Benefits

Radical scavenger
Moisture retention and hydration
TEWL reduction.

Physiochemical Properties

Property	Refined	
Physical State at 20°C	Clear – pale yellow colour, liquid form, zero-low odour.	
Acid Value (mg KOH/g)	0.0 - 4.0	
Peroxide Value (mEq O ₂ /kg)	0.0 - 5.0	
Saponification Value (mg KOH/kg)	180.0 - 200.0	
Unsaponifiable Matter (%)	0.0 - 1.5	
Iodine Value (g/100g)	70.0 - 90.0	
Moisture (%)	0.0 - 1.0	
Key Fatty Acid Profile (%)	16:0 Palmitic Acid	20.0 – 30.0
	18:0 Stearic Acid	2.0 – 7.0
	18:1 Oleic Acid	25.0 – 40.0
	18:2 Linoleic Acid	25.0 – 35.0
	18:3 Linoleic Acid	0.0 – 3.0
	20:0 Archidic Acid	0.0 – 3.0
Solubility:	Soluble in cosmetics esters and vegetable oil; insoluble in water.	
Shelf Life/Retest:	30 Months	

Formulation and Usage (Indicative)

Category	Form	% Usage (Up to)
Hand & body care	Creams & lotions, body massage oil, aromatherapy oil	10/100
Sun care	Tanning lotions, burn recovery creams	10
Anti-wrinkle	Creams, nano-emulsions	5
Soaps	Hand soap bars, liquid soap	15
Hair care	Shampoo, conditioner, scalp mask, leave-in-lotion	5
Facial skin care	Cleansing gels, facial scrubs	5

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, Mozambique or Malawi (refer to CoA for specific location)

Manufacture & Locations: Manufactured in Europe. Cold-pressed and physically refined in an FSSC22000 and GMP certified facilities.

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

Date: 31 January 2023 | Version: 3.2

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WALA MORINGA SEED OIL



Botanical & Traditional Context

Scientists commonly refer to *Moringa Oleifera* (Moringa) as the ‘miracle tree’ due to the myriad of nutritional benefits offered by all parts of the plant.

The moringa pod (or fruit) is green, long and slender – usually 30cm-50cm in length. When opened, the highly prized brown-winged seeds are revealed, numbering between 5-20 per fruit.

Originating from India, the moringa plant is now a common part of Africa’s smallholder farming landscape. Grown in various regions across Africa, moringa harvests from December to March in southern Africa, and June to September in the northern regions.

The word ‘wala’ means to appear radiant or shine in the African language of Chichewa, which is spoken in Malawi – one of our sourcing regions.

Product Name & Variant

Wala Moringa Seed Oil – Refined.

Ingredients

Contents: 100% *Moringa oleifera* seed oil

Stabilizers: Blanketed with nitrogen.



Registration and Regulatory

INCI:	<i>Moringa Oleifera</i> Seed Oil
CAS No:	93165-54-9
EINECS No:	296-941-1
NMPA No:	004231-02065-7302
ABS/Nagoya:	Compliant
REACH Status:	Exempt - natural product

Key Application/s

Skin microbiome:

- > Skin microflora rebalance
- > Cleansing and anti-blemish/spots

Anti-oxidant

Protection and recovery - barrier function.

Key Content

High oleic and meaningful behenic fatty acids

Relatively balanced α -, β -, and γ -tocopherol ratios

High levels of β -sitosterol, Δ 5-avenasterol, and campesterol

Lipid soluble antioxidants.

Benefits

Stratum corneum integrity

Anti-oxidant

Anti-microbial.

Physiochemical Properties

Property	Refined
Physical State at 20°C	Clear - pale yellow colour, liquid form, zero-low odour.
Acid Value (mg KOH/g)	0.0 - 4.0
Peroxide Value (mEq O ₂ /kg)	0.0 - 5.0
Saponification Value (mg KOH/kg)	170.0 - 200.0
Unsaponifiable Matter (%)	0.0 - 1.5
Iodine Value (g/100g)	60 - 80
Moisture (%)	0.0 - 1.0
Key Fatty Acid Profile (%)	16:0 Palmitic acid: 4.0 – 10.0 18:0 Stearic acid: 4.0 – 8.0 18:1 Oleic acid: 65.0 – 85.0 18:2 Linoleic acid: 0.0 – 2.0 20:0 Arachidic acid: 2.0 – 5.0 20:1 Eicosenoic (Gadoleic) acid: 0.0 – 3.0 22:0 Behenic acid: 3.0 – 8.0
Solubility:	Soluble in cosmetics esters and Vegetable oils; insoluble in water.
Shelf Life/Retest:	36 Months

Formulation and Usage (Indicative)

Category	Form	% Usage (Up to)
Facial skin cleansing	Cleansing gels and scrubs	5
Hand & body care	Moisturising creams, hydration lotions, body massage oils	10/100
Facial moisturisers	Creams and nano-emulsions	7
Hair care	Shampoo, conditioner, scalp mask, leave in lotions	5
Soaps	Hand soap bars, liquid soap	15

Toxicology

Non irritating to skin and eyes. Non-toxic.

Storage

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

Supply & Production Chain

Seed Origin/s: Malawi or Kenya (Refer to CoA for exact origin).

Manufacture & Location: Manufactured in Europe. Cold-pressed in an ISO 9001-, HACCP-certified, food-grade facility and physically refined in an FSSC22000 and GMP- certified facility.

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

Date: 31 January 2023 | Version: 3.3

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