

KALAHARI MELON LIPOACTIVE+



Product Description

Kalahari Melon LipoActive+ is a natural, sustainable and bioconverted phyto-active skin barrier care ingredient, containing a holistic profile of lipids and functional compounds. The bioconversion process delivers a critical mix of structural (ceramide, free-fatty acids, and cholesterol), supportive (DAGs, MAGs and TAGs) and signalling lipids, which boost the natural moisturising factor (NMF) for lasting hydration. The functional compounds, including phytosterols, squalene, and tocopherols, help to prevent aggression to the skin from external stressors, reduce inflammation, oxidation and enhance overall skin comfort.

Botanical & Traditional Context

The melon is the biological predecessor to the common watermelon, and is relatively smaller in size and rounder in shape. 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.

Registration and Regulatory

INCI: *Either of the following can be used at the customer's discretion:*

- EU CosIng: *Citrullus Lanatus Seed Oil* (and) *Candida bombicola Ferment Extract Filtrate*
- China NMPA: *Citrullus lanatus seed oil* (and) *Hydrolyzed Candida bombicola*

CAS No: -

EINECS No: -

NMPA No: 228530-02065-7287

ABS/Nagoya: Compliant

REACH Status: Exempt - natural product

ISO 16128: Natural Index = 1.



**COSMOS
APPROVED**

Key Applications

Skin barrier protection – from xerotic skin
TEWL reduction
Skin hydration capacitance
Skin redness reduction.

Key Content

Generous linolenic, palmitic and stearic fatty acids
Copious monoacylglycerol (MAG), diacylglycerol (DAG) and free fatty acids
Phytosterol profile, including β -sitosterol, stigmasterol, campesterol and squalene α - and γ -tocopherol

Efficacy/Benefits

Outperformed ceramide benchmark for TEWL reduction; parity performance on skin hydration capacitance and redness reduction.
Non-comedogenic.

Physiochemical Properties

Property	Kalahari Melon LipoActive Plus
Physical state at 20°C	Viscous Liquid. Characteristic odour
Colour	Yellow – Dark Yellow
Acid Value (mg KOH/g)	0.0 - 15.0
Moisture (%)	0.0 - 1.0
Refractive Index @ 20°C:	1.3000 – 1.6000
Total Microbial Count (cfu/g):	0 - 100

Formulation and Usage (Indicative)

Category	Form	% Concentration
Facial skin care	Serums, face creams, gel	1 - 5
Hand and body care	Creams, lotions	1 -5
Lip care	Lip balm, lip repair cream, lipstick	1 - 3

Efficacious at 1% concentration.

Toxicology

Non irritating to skin and eyes

Non-toxic.

Storage

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

Supply and Production Chain

Seed Origin: Zimbabwe, with traceability

Manufacture & Locations: Manufactured in Korea in an ISO9001-, ISO4001- and GMP- certified facility

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

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