

LIPOPHILIC ALULA PEREGRINA™ EXTRACT

PATENT N°WO2021234159



Ceramide & Exosome-rich natural active for soothing with curative and preventive activity to fight premature aging



The Lipophilic Alula Peregrina™ Extract protects the skin with long-lasting results.

COSMETIC BENEFITS

The Lipophilic Alula Peregrina™ Extract:

- protects skin cell DNA integrity
- provides soothing for the surface of the skin
- prevents and treats premature aging
- reinforces the skin barrier function
- enhances cellular communication

KEY FEATURES

Advanced lipidomic analysis reveals the Lipophilic Alula Peregrina™ Extract contains a unique signature of ceramides and hexosylceramides, critical to controlling transepidermal water loss, maintaining skin hydration, and supporting barrier function.

The extract also contains natural plant exosomes, microscopic vesicles that facilitate intercellular communication. These natural messengers enhance skin renewal and repair processes, triggering regenerative pathways within skin cells.

MECHANISMS OF ACTION

The Lipophilic Alula Peregrina™ Extract provides soothing for tired or aging skin by inhibiting phospholipase A2, a key enzyme promoting inflammation, and Endothelin-1, the most potent vasoconstrictor in the human body.

The Lipophilic Alula Peregrina™ Extract provides skin cell DNA repair by activating telomerase. This enzyme repairs the telomeres of the chromosomes during successive rounds of replication to minimize the telomere shortening and extend the number of replications of the chromosomes.

The Lipophilic Alula Peregrina™ Extract prevents and treats premature aging by inhibiting collagenase and hyaluronidase. These Matrix metalloproteases (MMPs) degrade essential components of the skin's extracellular matrix, particularly collagen fibers and hyaluronic acid, compromising structural integrity. Inhibiting these enzymes helps preserve the skin's architectural framework and maintains dermal density, protecting against the visible signs of accelerated aging and supporting long-term skin resilience.

ORIGIN AND DESCRIPTION

Family Moringaceae
Renewable botanical origin Cake from seeds cold press
Geographic origin Alula, Saudi Arabia
Extraction Ethanol

REGULATORY DATA

English name Lipophilic Alula Peregrina™ Extract
Inci Moringa peregrina seed oil extract and Caprylic/Capric Triglyceride
CAS 73398-61-5 & ND
EINECS 277-452-2 & ND
COSMOS Approved
Natural ingredient index 1 (ISO 16128)
China Registered New Cosmetic Ingredient

PHYSICOCHEMICAL CHARACTERISTICS

Form Liquid
Color Colorless to yellow
Odor Almost odorless

FORMULATION DATA

Preservatives -
Use level in formula 1.0% - 2.0%
Solubility Oil soluble
Shelf life 36 months
Storage Unopened vial protected from light and temperature between 16 and 25°C

BIOLOGICAL ACTIVITY

IN VITRO

Soothing effect

- Phospholipase A2 inhibition by 19.00% at a concentration of 2.0%
- Endothelin-1 inhibition by 53.21% at a concentration of 5.0%
- Curative and preventive activity to fight premature aging
- Telomerase increased by 13.10% at a concentration of 5.0%
- Collagenase and hyaluronidase inhibition by 87.71% from a concentration of 0.10%

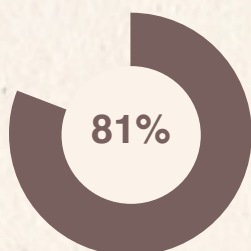
IN VIVO CLINICAL STUDIES

TransEpidermal Water Loss

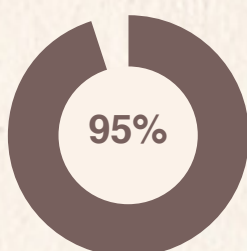
- 81% of volunteers confirmed that their skin is nourished
- 86% had positive feedback on the results after 21 days of application.

Evaluation of a placebo formula containint Lipophilic AlUla Peregrina™ Extract by 21 volunteers over 21 days.

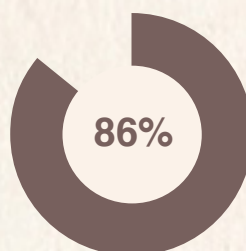
Soothing effect



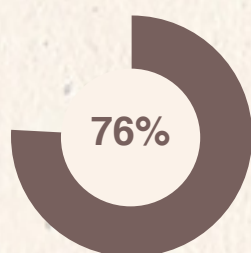
The skin is
comfortable



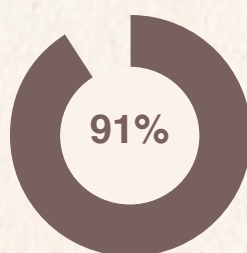
The skin is soft



The skin is hydrated

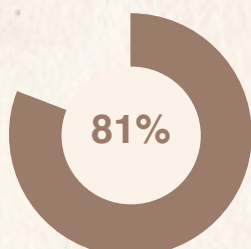


The product brings
a feeling of comfort

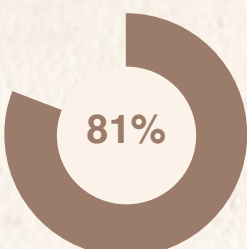


The skin is supple

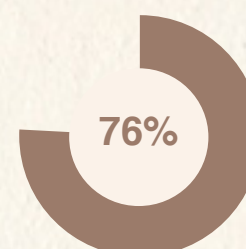
Curative and preventive activity to fight premature aging



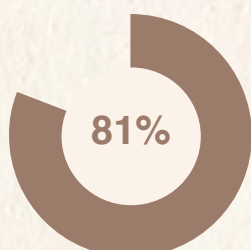
The skin is radiant



The skin is nourished



The product
improves the overall
appearance
of the skin



The product protects
the skin from external
aggressors