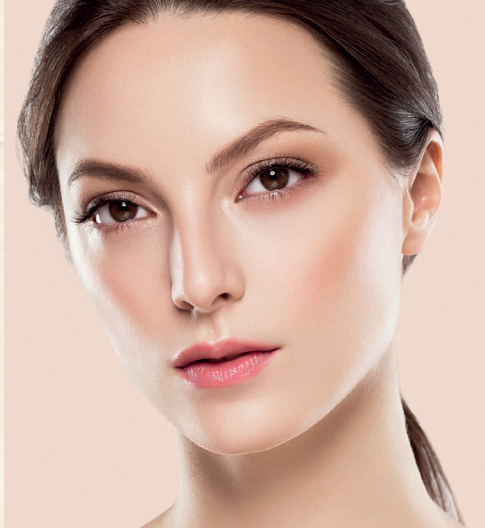


HYDROLYZED ALULA PEREGRINA™ EXTRACT

PATENT N°WO2021234166



A multifunctional brightening and anti-aging natural active with unparalleled cell DNA integrity protection



ENGLISH NAME Hydrolyzed AlUla Peregrina™ Extract

BOTANICAL ORIGIN *Moringa peregrina* from AlUla

PLANT SOURCE Seeds

INCI Water, sodium citrate, Moringa peregrina seed extract, propionic acid

Natural ingredient Index = 0,995 (ISO 16128)

TYPE Dry Extract

PRESERVATIVES Propionic acid (1.00%)

USE LEVEL IN FORMULA 0.50% - 2.00%

SOLUBILITY Water soluble

PACKAGING MATERIALS Food grade polyethylene bags, polyethylene drums

The cold press of the Peregrina seeds reveals a precious virgin Peregrina oil. The by-product of this extraction is a cake traditionally used for its nutritional properties. Recent analytical and clinical studies uncovered the unparalleled skin cell DNA integrity protection of the Peregrina press cake, contributing to the outstanding durability of the Peregrina seeds.

The Hydrolyzed AlUla Peregrina™ Extract visibly and safely brightens and unifies the skin while protecting skin cell DNA integrity.

COSMETIC BENEFITS

The Hydrolyzed AlUla Peregrina™ Extract:

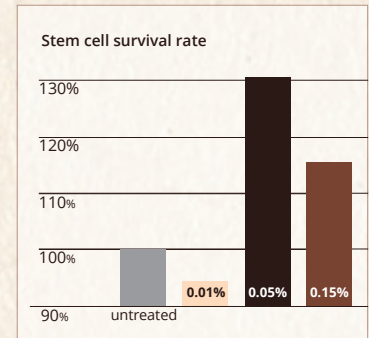
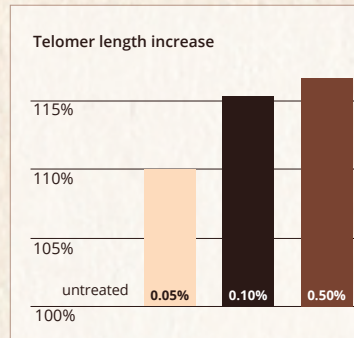
- protects skin cell DNA integrity
- fights photoaging with a visible reduction in dark spots and a global brightening action
- lifts the skin and fights wrinkles
- regulates hydration and provides a plumping effect

AlUla Peregrina Trading Company
Azizia District, Al-Madina Al-Munawwarah Street
43514 Al-Ula city, Kingdom of Saudi Arabia
www.alulaperegrina.com - info@alulaperegrina.com

BIOLOGICAL ACTIVITY

Long-term anti-aging action through active protection of skin cell DNA integrity

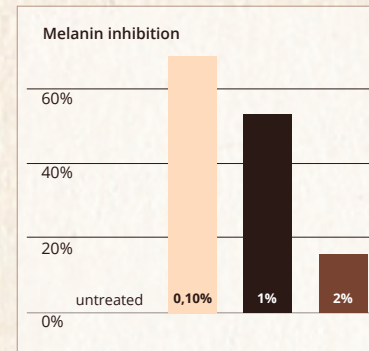
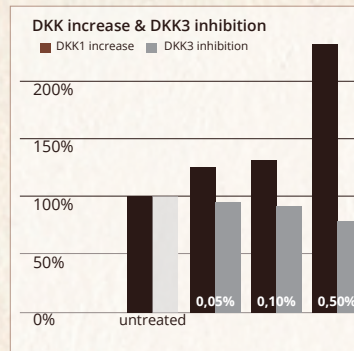
The Hydrolyzed AIUla Peregrina™ Extract protects skin cell DNA integrity by lengthening telomeres while preserving the integrity of stem cells.



A radiant complexion

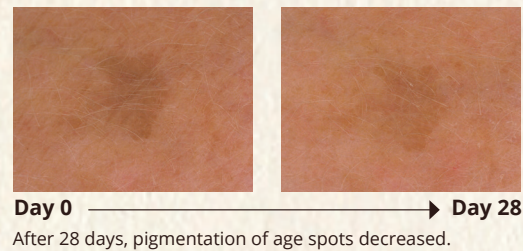
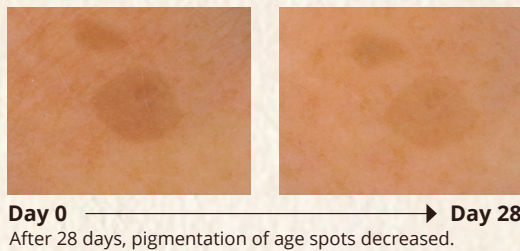
The Hydrolyzed AIUla Peregrina™ Extract regulates the process of skin pigmentation with activity on three known mechanisms of action:

- It regulates skin pigmentation through DKK1 stimulation and DKK3 inhibition; these are glycoproteins involved in controlling the differentiation & activation of melanocytes in the basal layer at the bottom of the epidermis.
- It regulates melanin production through stimulation of Zinc α-2-glycoprotein (ZAG), a protein involved in the regulation of melanogenesis decrease.
- It decreases melanin synthesis by inhibiting Endothelin-1, a potent vasoconstrictor peptide involved in the regulation of melanogenesis.



CLINICAL STUDIES

Evaluation of the depigmenting potential results available under one month

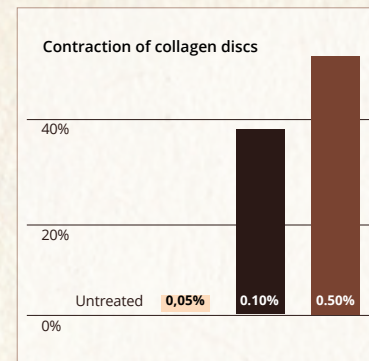
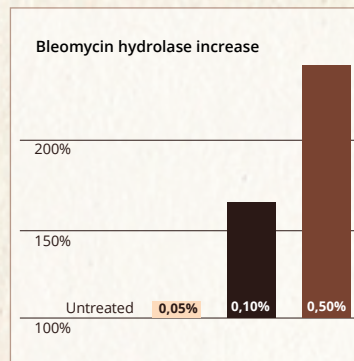


Tensor activity

The Hydrolyzed AIUla Peregrina™ Extract provides tensing, anti-wrinkle, and second-skin effects through strong film-forming and tensor action.

Physiological hydration

The Hydrolyzed AIUla Peregrina™ Extract promotes a youthful complexion, lifts the skin, and regulates hydration by stimulating bleomycin hydrolase, the leading natural factor in NMF (Natural Moisturizing Factor) hydration.



Plumping effect

The Hydrolyzed AIUla Peregrina™ Extract provides a plumping effect through inhibition of Endothelin-1, providing vasodilatation in the skin.