

Care
Creations™

Arganyl™
by Beauty Creations

Skin matrix protection

 **BASF**
The Chemical Company

A modern anti-aging active obtained from an ancestral tree

The argan tree (*Argania spinosa*) is an endemic tree from South West Morocco. Until now the leaves of the argan tree were not valorized.

After identifying its constitutive flavonoids and demonstrating their considerable interest in the formulation of active ingredients for cosmetic products, **Beauty Creations** commenced a collaboration study with local competent organizations designed to identify the best conditions for harvesting these leaves. This environmental impact study gave rise to the production of a set of specifications including maintenance procedures for the argan forest which are necessary for a sustainable exploitation of the leaves, respectful regarding the environment.

The flavonoids contained in the leaves have been isolated, purified and concentrated to give ARGANYL™.

Specific *in vitro* and *ex vivo* tests have demonstrated them to have excellent inhibitory activity on MMP (Matrix-Metallo-Proteinases) and collagenase resulting in a significant protection of macromolecules of the dermis, particularly collagen.

ARGANYL™ acts at two levels:

- by inhibiting free radicals: highly produced during the skin aging phenomenon, they also provoke a stimulation of MMP production by fibroblasts.

The anti-free radical activity of ARGANYL™ limits this process.

- by inhibiting MMPs and collagenase

A consumer test for 8 weeks has clearly demonstrated the perceivable activity of ARGANYL™ (face application) and a clinical study has shown its strong anti-oxidative potential.

ARGANYL™ is an original natural solution for preserving the skin against premature aging.

Focus on the plant

The argan tree particularly resistant to the hard climatic conditions of this arid region and can be considered as the last barrier against the desert. The argan forest covers more than 800,000 ha and contains 20 million trees. It produces small yellow fruits which become brown on ripening. A precious oil extracted from the kernel of the fruit has been used by local populations for centuries for skin and hair care as well as in cooking.



Properties

Protection of collagen against MMP destruction.

Protection against glycation.

Reinforcement of cutaneous structure for a firm and smooth skin.

Applications

Anti-age face care.

Firming face and body care.

In association with UV filters in anti-age sun products.

In association with slimming active ingredients in slimming care products.