



# ACTIFS PRÉCIEUX

ATELIER | EXTRACTION | SÉLECTIVE

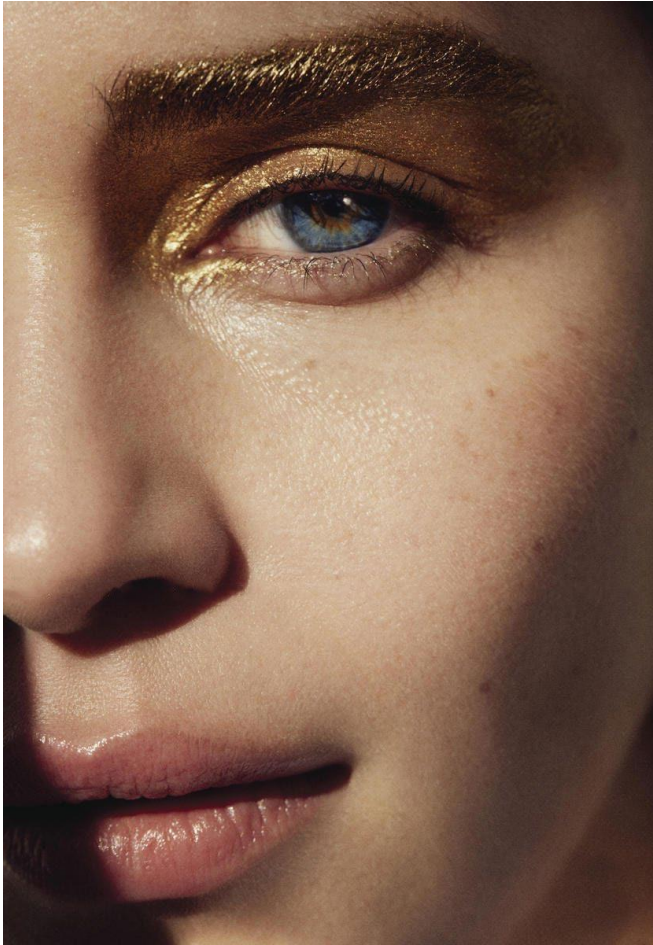
*Distributed By –*

**UMC** Ingredients

**160 Chubb Ave., Ste. 206**

**Lyndhurst, NJ 07071**

**(201) 896-8666**



OLEOPINE™  
AP104

---

Ultra hydrating  
Natural moisturizing



Sourced from Aleppo Pine Tree Seeds,  
Increases skin hydration, for a healthier  
and younger look.

---



OLEOPINE™

## A Natural Active Extract

Our natural Active extract provides the skin with intense hydration. Used daily, this high-performance moisturizer helps the skin to gain in elasticity and firmness.

OLEOPINE™ is proven to display moisturizing capacity, through significant increase of skin hydration in a delicate and effective way.

It promotes healthy skin by giving it vitality and more youthful look, thanks to its high content of essential fatty acids and antioxidants.

Without leaving a greasy film on the skin, our natural moisturizer protects, revitalizes and nourishes all skin types, giving a natural glow.

INCI : PINUS HALEPENSIS

SEED EXTRACT

CAS: 97435-13-7

EINECS: 306-894-1

ORIGINE : Tunisia

PRODUCTION PROCESS:

By supercritical fluid  
extraction using natural  
carbon dioxide as a solvent.

## DESCRIPTION

Appearance :

Clear Yellow-White Liquid

Solubility : Soluble in oil  
Insoluble in alcohol and water

Use level : 1 - 5%

## REGULATION

UE /USA /JAPAN : Approved

## Composition

Main compounds: Linoleic & oleic acids (>80%) &  
Vitamin E.

## Innocuity - safety

Single Patch Test: Non-irritant

Good skin compatibility

Dermatologically tested

Clinically Tested

Tolerance Tested

## Claims

Adapted to sensitive skin

Long term skin moisturizer

Skin nourishing

Increases the skin hydration level

## Applications

Moisturizers (body and face)

Anti-age spots serums, revitalising day cream

Regenerating serum

Skin balancing cream

Nutritive anti-aging treatment

Natural make-up products

Loaded with vitamins, rich in antioxidants.

One of the most aromatic pine extracts.

---



## Aleppo Pine Seeds

Naturally distributed throughout the Mediterranean area, Aleppo Pine is considered as the dominant pine species in the natural pine Mediterranean Forests.

Aleppo pine also known as Jerusalem pine, is the wild tree of all the lower mediterranean area.

The seeds have been traditionally consumed since ancient times for food due to their health promoting benefits.

From the Aleppo pine seeds is made a pudding called Zgougou in the Tunisian dialect; it is served in bowls, covered with cream, and topped with almonds and small candies.

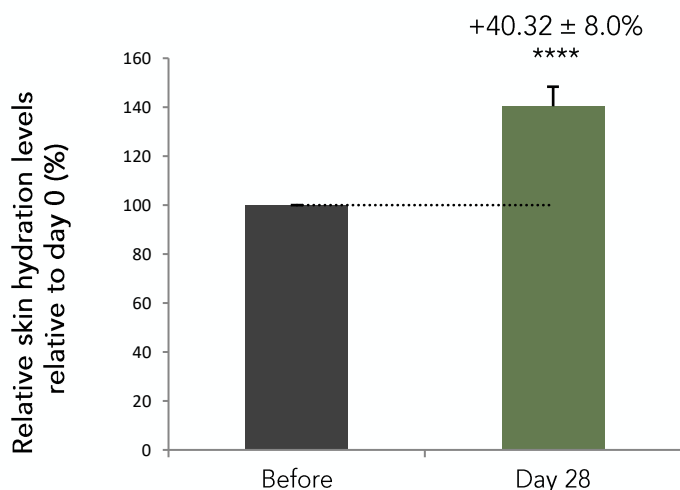
Aleppo pine seeds are released from cones freshly matured usually between 8-10 weeks after their collection from its trees.

# Natural Skin Moisturizing Active Ingredient Long term effect up to 40 %

## Clinical study design

---

- 20 volunteers (Male / Female; Between 18 and 65 years) were submitted to a 28-day topical treatment with OLEOPINE™ at 5% in the facial area (twice per day, morning and night).
- Before (Day 0) and after 28 days of treatment (Day 28), skin hydration was measured through Corneometer®
- Each volunteer answered a self-assessment questionnaire at the end of the treatment.
- All data were statistically analysed.



Treatment with OLEOPINE™ during 28 days significantly increased hydration by 40 %, comparing each volunteer with its own control at day 0 (paired Student's t-test).

*Graphical representation of the skin hydration levels quantified through Corneometer before (Day 0) and after (Day 28) topical application with OLEOPINE™ during 4 weeks in 20 human volunteers.*

*Mean and Standard Error of the Median (SEM) are shown.*

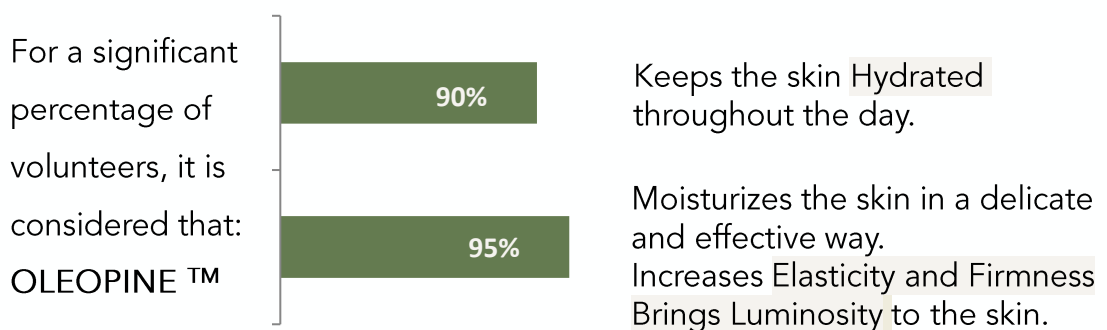
*\*\*\*\* Represents statistical significance with p value < 0.0001.*

Thanks to its proven moisturizing efficacy, OLEOPINE™ is a perfect active to protect the skin from dehydration.

## Self evaluation

---

The results were subjectively confirmed through the self-assessment questionnaire, with positive results for most of the tested parameters, including cosmetic attributes, cosmetic effectiveness and consumer opinion.

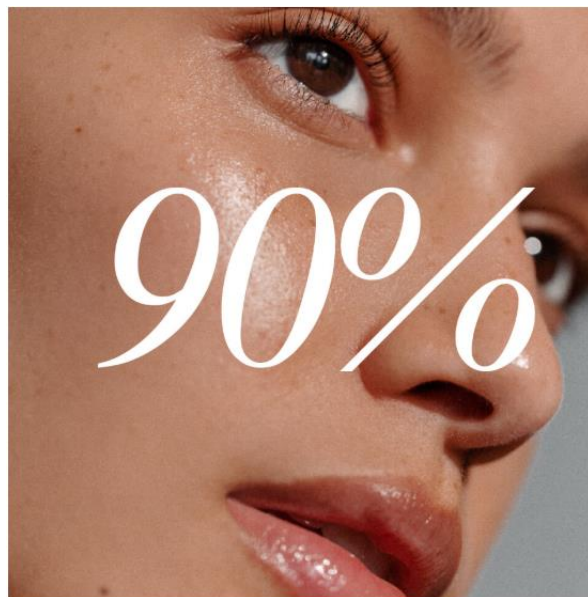


# The Results in Numbers

*In a clinical trial...*

90% of people were satisfied with the treatment and analyzed had hydrated skin throughout the day.

85% of people would use this extract and would recommend it.



---

*After 4 weeks of use...*

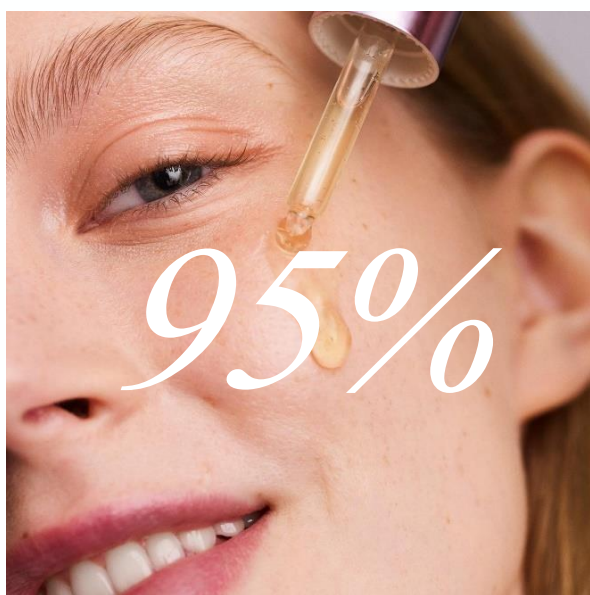
95% of people analyzed had significant improvement in elasticity and firmness of their skin after use.

75% of people agreed their skin was instantly firm and soft with a youthful look.

95% of people agreed their skin was instantly hydrated with a youthful, radiant glow.

95% of people experienced increased skin luminosity after 4 weeks of use.

95% of people agreed their skin was hydrated in a delicate way.



## Hydrating effect assessment

Hydration is the result of several factors such as the quality and functionality of the epidermal water barrier, the amount of water contained in the epidermis, the concentration of hygroscopic substances and external humidity.

Even if the water contained in the skin is mainly located at the level of the dermis, when we speak of cutaneous hydration, we only refer to the state of the most superficial layer of the skin, the *Stratum corneum*.

The loss of water and the maintenance of an optimal water gradient in the skin are guaranteed by a set of fine regulations, based on the functional and dynamic properties of this layer. Maintaining the quality and cohesion of the *stratum corneum* will condition, for example, the good retention of water in the skin. <sup>[1,2]</sup>

The surface of the epidermis is however not in direct contact with the outside. It is covered with a complex mixture, the **hydrolipidic film** which participates in the barrier function of the epidermis and acts to lock moisture, thus strengthening the role of the *stratum corneum*. <sup>[1][3]</sup>

If the dehydration is superficial (epidermis)

- \_\_\_\_\_ The skin is less luminous, tense and the complexion becomes tarnished.
- \_\_\_\_\_ A surface roughness appears, due to the increase in the number of corneocytes which flake.
- \_\_\_\_\_ The skin becomes irritated with the appearance of pruritus and sores. <sup>[1]</sup>

The first strategy put in place to strengthen hydration or curb dehydration is to create a film on the surface that acts as a barrier to water loss by adding fatty substances.

At an even deeper level of our skin, the nature of the lipids surrounding the cell membranes and making up the intercellular cement is also fundamental in the barrier effect of the *stratum corneum*.<sup>[1]</sup>

Essential fatty acids penetrate these different strata and help consolidate the lipid cement that welds the horny cells together.

In doing so, they therefore strengthen not only the hydrolipidic film but also the intercellular cement and this allows a better routing of the intracellular water to the surface.

# INSPIRING CONCEPT MEDITERANNEAN VIBES

---

WITH A STRONG FOCUS ON  
THE SUSTAINABLE USE AND  
PRESERVATION OF NATURAL  
RESOURCES, ACTIFS PRECIEUX  
SPECIALIZES IN DEVELOPING  
INGREDIENTS DERIVED FROM  
NATIVE MEDITERANNEAN AND  
AFRICAN PLANTS.





# Responsible Sustainable Sourcing CSR Approach

---

We strongly believe in the potential of nature. ACTIFS PRECIEUX sources itself through fair trade cooperatives by creating jobs opportunities with the best social practices for rural employees and by valorizing Tunisian Aleppo Pine plant heritage. Our OLEOPINE™ Active Extract is sourced from conscious Tunisian growers. The extraction of Aleppo Pine seeds using supercritical fluid extraction respects the ethics of green chemistry. It is a clean product, free from harmful toxins and any synthetic chemical compounds. We do not only assemble the finest ingredients but also honor them throughout our process.

All our actives come from natural plant resources that are selected according to exhaustive research on their composition. We are focused on making the most sustainable choices for our products. We are actively engaged to set up and build a **sustainable network of partners and suppliers** in order to implement a sourcing procedure that fits the high level of specifications and quality commitments of the company.

ACTIFS PRECIEUX contributes to the protection of the environment, by reducing our ecological footprint. Our impact on the environment matters, that's why as a company in motion, we will continuously evolve, improve and challenge ourselves to be better and set cleaner and more ethical standards across beauty.

*Distributed By –*

**UMC** Ingredients  
160 Chubb Ave., Ste. 206  
Lyndhurst, NJ 07071  
(201) 896-8666