

# ACTIFS PRÉCIEUX

ATELIER | EXTRACTION | SELECTIVE

TM

# ACTIFSOLEIS Frankincense

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AP 502-1

Powerful anti aging effect

A wonderful combination of bioactive cosmetic ingredients

Phoenix dactylifera L. "The Tree of life "

Boswellia Sacra " The oliban "



## A natural active ingredient concentrating on the best of nature & delivering its full potential

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ACTIFSOLEIS FRANKINCENSE<sup>TM</sup> is a rejuvenating and reviving formula supercharged with effective actives, acting together to improve and restore skin appearance & beauty.

An alliance between supercritical fluid technologies, and ancestral beauty rituals, to deliver this precious mixture between date and frankincense extracts.

Your daily dose of active ingredients that improve skin firmness & repair skin aging signs for a more youthful-looking complexion.

This active precious mixture, has good skin compatibility and is “Dermatologically tested”, “Clinically Tested” and “Tolerance Tested”.

## PHOENIX DACTYLIFERA L. The Tree Of Life

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Date Palm is one of the oldest fruit-bearing trees on earth, the fruits are nutritious and healthy. It has a wide range of therapeutic uses. Cultivated in Tunisia for 5000 years, the Date Palm Tree is oftencalled « The tree of life » in the desertic region, so called for the high nutritional value of its dates praised all over the world.

As a source of essential fatty acids and vitamins, Phoenix dactylifera L., seed extract forms the essence of it all, it is known as an antioxidant and has been proven to have an exceptional affinity to skin.

## BOSWELLIA SACRA Rare and Precious Ingredient

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Frankincense Boswellia Sacra is a dried resin from a desert tree in Southern Arabia. Growing typically in Oman, it is an aromatic resin that is often used in perfumes and incense. Considered a rare and precious commodity, Boswellia Sacra has a history dating back thousands of years. At one time, Frankincense Boswellia Sacra was worth its weight in gold. It is known for its high content of bioactive constituents including specific terpenoids, namely Boswellic Acids, which are the main contributors to the biological activities of the frankincense species. As a source of antioxidants, Boswellia Sacra may help to reverse signs of skin aging.

It has been traded in Northern Africa and the Arabian Peninsula for approximately five thousand years. Frankincense has also been depicted in ancient Egyptian murals. The ancient Romans and Greeks are also known to have imported large amounts of frankincense resin to burn as incense and use during ceremonies.



**INCI-Name :** Phoenix Dactylifera ( Date ) Seed Extract (and)

Boswellia Sacra (Frankincense) Resin Extract

**CAS No. :** 90027-90-0, 8050-07-5

**EINECS No. :** 289-776-1, 232-474-1

**ORIGIN:** Frankincense green resin: Oman/ Date seed: Tunisia

**PRODUCTION PROCESS:** By supercritical fluid extraction using natural carbon dioxide as a solvent.

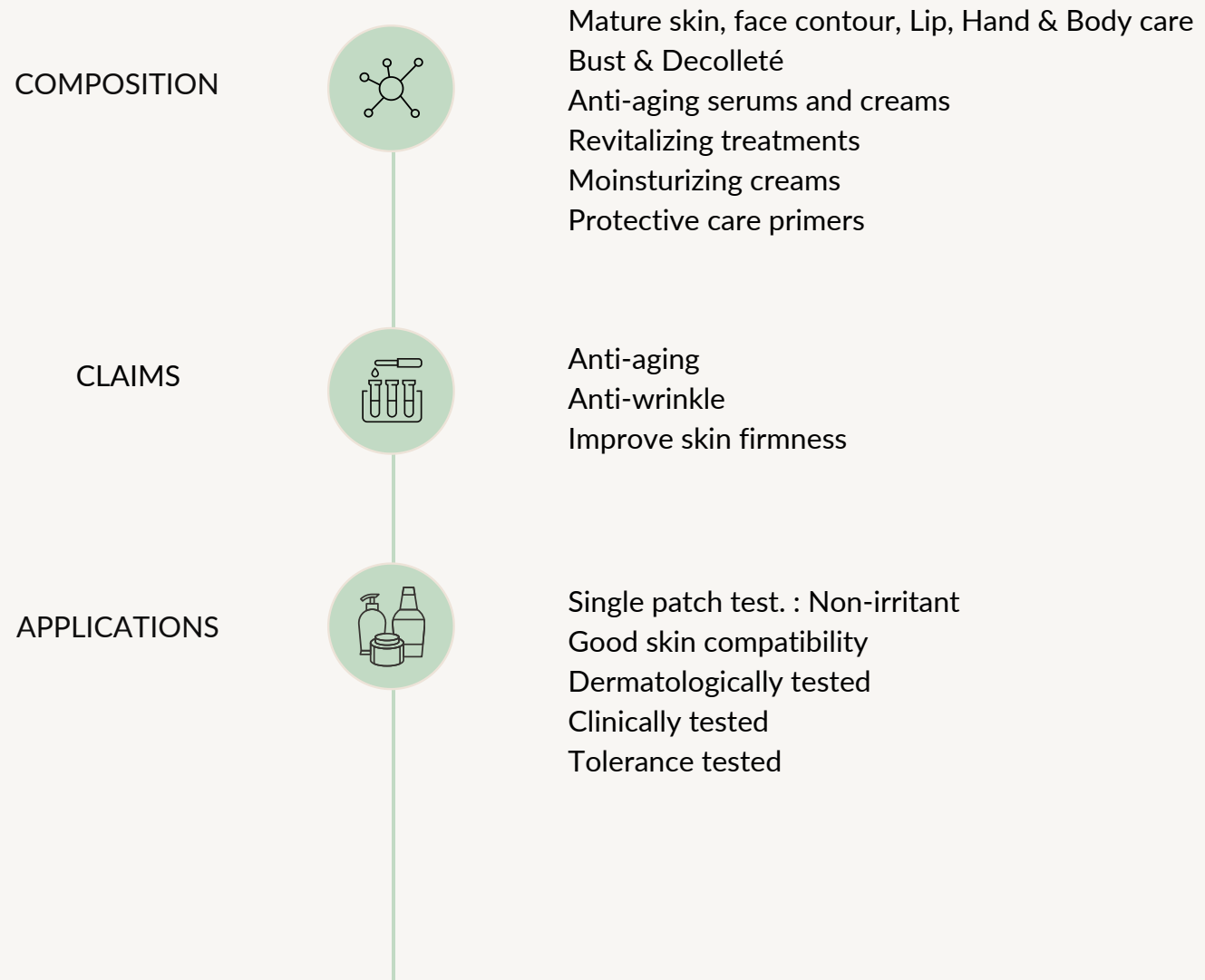
**Appearance:** Light yellow- Viscous liquid

**Solubility:** Soluble in oil/ Insoluble in alcohol and water

**Main compounds:** Oleic acid, Alpha-pinene, Incensole, 3-O-Acetyl-11-keto-beta-boswellic acid (AKBA)

Use level: 0.1 - 2%

**Regulation: UE /USA /JAPAN :** Approved



## ACTIFSOLEIS FRANKINCENSE™ REDUCES WRINKLES ON THE FACIAL AREA FOREHEAD AND CROW'S FEET ZONES

### Test protocol :

19 volunteers (100 % Female; Between 35 and 65 years) were submitted to a 28-day topical treatment with a serum containing 2% of ACTIFSOLEIS FRANKINCENSE™ (twice per day).

Before (Day 0) and after 28 days of treatment (Day 28), images were taken with BIO3D STRUCTURED-LIGHT SCANNER from the FOREHEAD (glabellar lines) and CROW'S FEET (periocular wrinkles) AREAS.

Total area, length and depth of forehead and crow's feet wrinkles were obtained for each of the volunteers. All data were statistically analyzed.

The treatment reduces forehead wrinkles (area 21 %, length 19 % and depth 5 %) and crow's feet wrinkles (area 14 %, length 14 % and depth 4 %), comparing each volunteer with its own control at day 0 (paired Student's t-test).

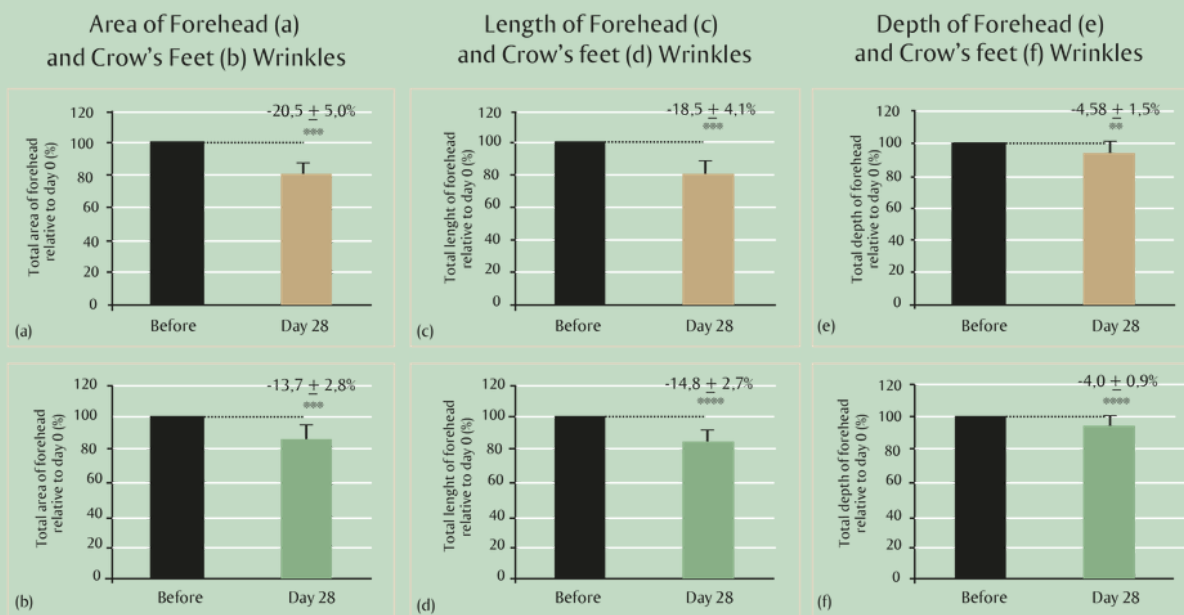


Fig.1. Graphical representation of the total area (a,b), length (c,d) and depth (e,f) of forehead and crow's feet wrinkles, before (Day 0) and after 28 days of treatment (Day 28) with ACTIFSOLEIS FRANKINCENSE™, in 19 human volunteers, comparing each volunteer with its own control at day 0.  
\*\* p value < 0.01. \*\*\* p-value < 0.001. \*\*\*\* p value < 0.0001.



ACTIFSOLEIS FRANKINCENSE™  
 VISIBLY REDUCES THE WRINKLED APPEARANCE OF  
 THE SKIN.

Experimental area was defined as the forehead (glabellar lines) and crow's feet areas, since these areas are the target of the specific treatment.

From the whole 3D reconstruction, a Region of Interest (ROI) is selected in which the wrinkles analysis is carried out.

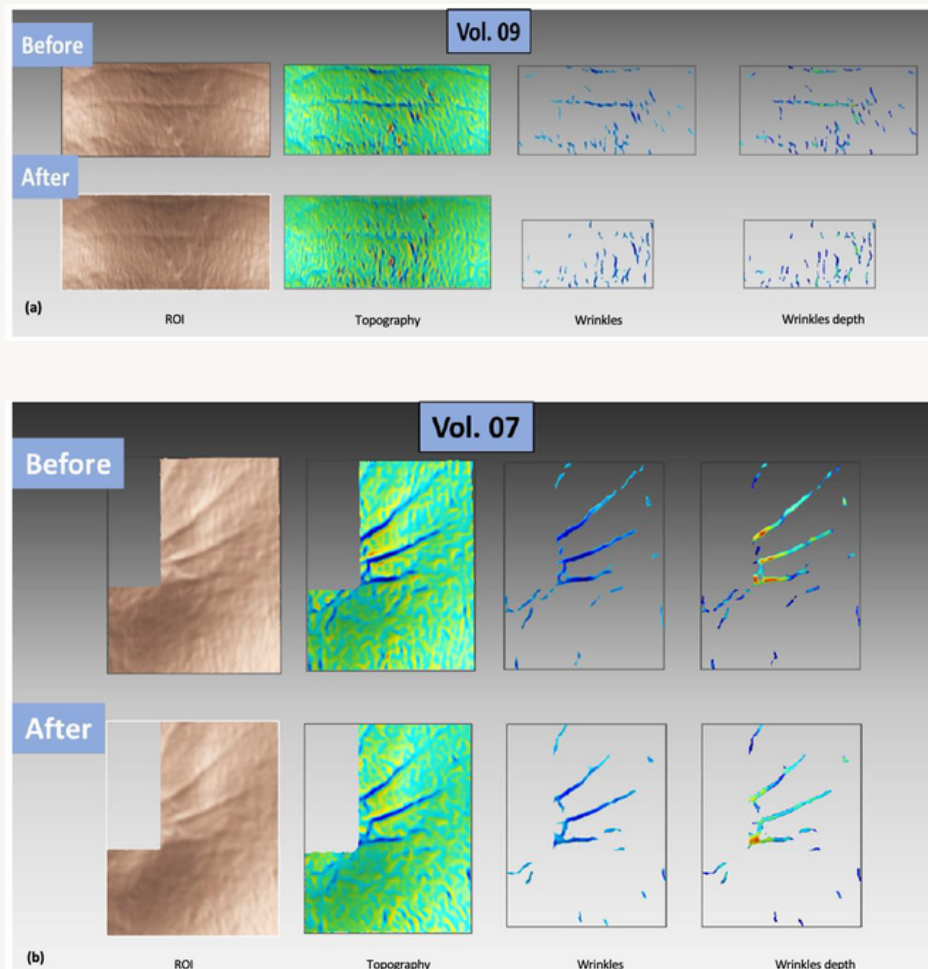


Fig.2. Images showing 3D area selected (ROI), curvature analysis from that selected area (Topography) and the area of wrinkles detected from the analysis, on the forehead (a) and crow's feet (b), before (Day 0) and after 28 days of treatment (Day 28) with ACTIFSOLEIS FRANKINC

## ACTIFSOLEIS FRANKINCENSE<sup>TM</sup> REDUCES SIGNS OF SAGGING SKIN

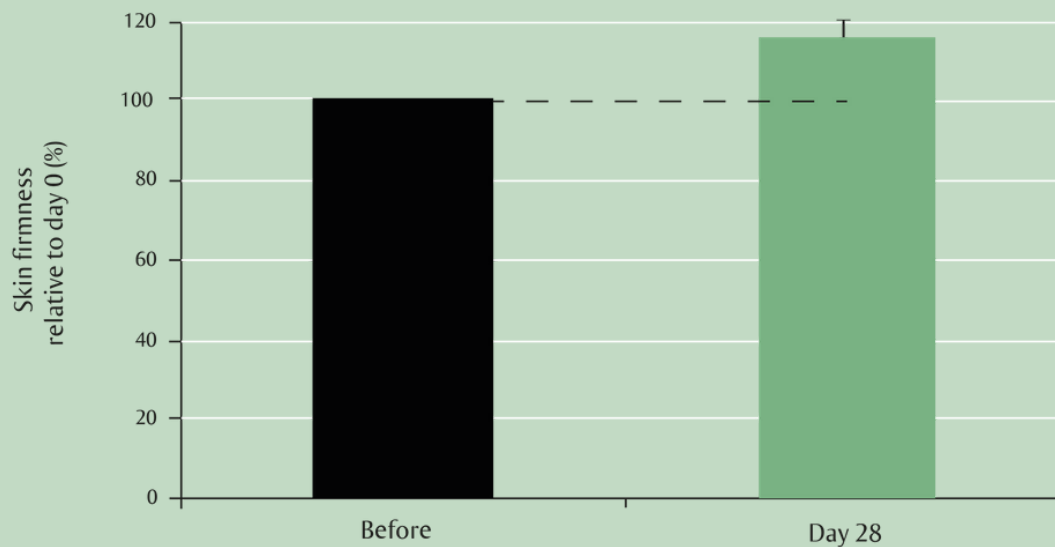
### TEST PROTOCOL

19 volunteers (100 % Female; Between 35 and 65 years) were submitted to a 28-day topical treatment with a serum containing 2% of ActifSoleis Frankincense<sup>TM</sup> (twice per day).

Skin firmness was assessed through Cutometer®.

Each volunteer answered a self-assessment questionnaire at the end of the treatment.

All data were statistically analyzed.



Treatment with ACTIFSOLEIS FRANKINCENSE<sup>TM</sup> significantly increased skin firmness by 16 %, comparing each volunteer with its own control at day 0.

ACTIFSOLEIS FRANKINCENSE<sup>TM</sup> restores the skin's firmness.

Graphical representation of skin firmness quantified in the skin through Cutometer, before (Day 0) and after 28 days of treatment (Day 28) with ACTIFSOLEIS FRANKINCENSE<sup>TM</sup>, in 19 human volunteers, comparing each volunteer with its own control at day 0.  
\*\*\*\* p value < 0.0001.

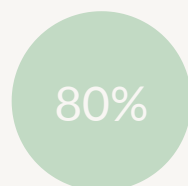
## **SKIN COMPATIBILITY & ACCEPTABILITY**

With regard to skin compatibility and acceptability, none of the volunteers showed any skin acceptability problem, neither manifested any adverse symptom or cutaneous reaction during the period of treatment or the days after. Regarding dermatological surveillance, the product showed good skin compatibility and may claim “Dermatologically tested”, “Clinically Tested” and “Tolerance Tested”.

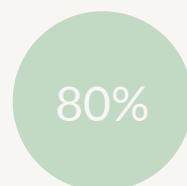
## **SELF EVALUATION**

% of satisfied volunteers

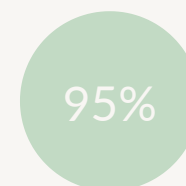
For a significant percentage of volunteers, it is considered that:



The skin is firmer



The skin texture is softer



The skin is nourished

The in vivo topical treatment with ACTIFSOLEIS FRANKINCENSE<sup>TM</sup> significantly displays ANTI-AGING AND ANTI-WRINKLE EFFECTS after 28 days of treatment in 19 human volunteers.

After only one month of use, the skin appearance and quality on THE FACIAL AREA is significantly improved.

## The Results in Numbers

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### In a clinical trial...

75% of people were satisfied with the treatment and noticed a reduction in surface and depth of wrinkles as well as an increase in skin firmness.

70% of people would recommend the treatment and consider it to be high-end.

### After 4 weeks of use...

95% of people agreed their skin was nourished.

80% of people agreed their skin was instantly firm and soft with a youthful look.

65% of people noticed significant decreases in the appearance of fine lines and wrinkles after use.

65% of people saw significant anti aging effect.

60% of people agreed the product transformed their visible signs of aging.

## COMMON SIGNS OF AGING SKIN

Appearance of wrinkles  
Loss of flexibility/elasticity  
Reduction of the skin firmness  
Slow sebum production /  
dehydration  
Duller appearance for the skin  
Sagging skin

Subjected to thousands of muscular microcontractions daily, the epidermis of our face marks the fold. As the years go by, this one is more and more marked, the damage is reflected in depth beyond the upper layer of the epidermis, the wrinkle is formed and accentuated.

Wrinkles appear preferentially on photo-exposed areas. The age of their appearance and their severity grade can be influenced by several factors aggravating skin aging : Genetic, Environmental and lifestyle factors.

The appearance of the wrinkle is due to a sagging of the dermal structures caused by the gradual disappearance of two proteins:

**Collagen** : maintains structure, firmness, and strength of the skin

**Elastin** : acts on the suppleness of the skin, providing flexibility and elasticity

The appearance of the wrinkle, visible on the surface of the skin, reflects changes at the histological and molecular level of the different layers of the skin [1]:

Thinner epidermis at the wrinkle area with atrophy of the *stratum spinosum* in the bottom of the wrinkle in addition to a thickening of the *stratum corneum* resulting from an accumulation of corneocyte.

Collagen and elastosis atrophy in the dermis: more marked in the deepest point of the wrinkle.

Micro-contraction of the underlying muscles of the skin favoring the appearance of lines between which the skin tightens, stretches and finally wrinkles.

Intrinsic and photo-induced aging favoring the flattening of the junction between the dermis and the epidermis.

Change in the skin relief and widening of the lines that put the skin in tension.

[1] Pensé-Lhéritier A.-M. , Evaluation des produits cosmétiques: L'objectivation. Lavoisier, Paris (2016).

## ACTIFSOLEIS FRANKINCENSE TM

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### RESPONSIBLE AND 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.

Our Active Botanical Mixture is sourced from conscious growers around the globe. This co-extraction formulation of Green Frankincense resin and Date seed using supercritical fluid extraction respects green chemistry ethics.

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.

Our team has been meticulously considering the ingredients, by ensuring to capture their full spectrum of nutrition to finally obtain an effective active anti-aging formula.

The ingredients we put in our formulations matter, as nowadays, clean products free from harmful toxins should be a universal standard.

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.

