

**ACTIFS PRÉCIEUX**  
NATURAL BIOACTIVE INGREDIENTS WITH IMPACT

AP-502-1

# Actifsoleis Frankincense



**BEAUTY ACTIVE  
AND SKIN SUPPLEMENTS**

AP - 502 - 1

# **Actifsoleis Frankincense**

Powerful anti aging effect

A wonderful combination  
of bioactive cosmetic ingredients

Phoenix dactylifera L.

"The Tree of life"

Boswellia Sacra

" The oliban"

## Sourcing

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.

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.



AP 502-1

## Actifsoleis Frankincense



**Actifsoleis Frankincense** 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 seed** and **frankincense** extracts.



### Innocuity- safety

- Single Patch Test: Non-irritant
- Good skin compatibility
- Dermatologically tested
- Clinically tested
- Tolerance Tested



### Applications

- Mature skin, face contour
- Hand & Body care
- Bust & Decolleté
- Anti-aging lines
- Revitalizing treatments
- Moisturizing creams
- Protective care primers



### Benefits

- Anti-aging
- Anti-wrinkle
- Improve skin firmness

### Sourcing

Vertically integrated each step of the sourcing and production process. By owning our own farms and partnering with growers specializing in naturals, and organic certified.



### Production process

Supercritical carbon dioxide Extraction- Formulation Technology.

AP 502-1

**Actifsoleis Frankincense****Raw material**

Phoenix dactylifera L. "The Tree of life"  
Boswellia Sacra " The oliban"

**Origin**

- Frankincense green resin: Oman
- Date seed: Tunisia

**INCI**

Phoenix Dactylifera ( Date ) Seed Extract (and)  
Boswellia Sacra (Frankincense) Resin Extract

**Appearance**

Light yellow- Viscous liquid

**Solubility**

Soluble in oil / Insoluble in alcohol and water

**Preservation**

Preservation free / self- preserving

**Use level**

0,1-2%

**Processing**

Can be added to the emulsion once the emulsion is formed at temperature below 50 °C.

**Characteristics**

Stable up to 80°C

**Conformity with Cosmetic Regulations**

EU ✓ USA ✓ JAPAN ✓ CHINA ✓

**Naturality ISO 16128**

CN= 100 % , Cno= 100 % , Co= 100 % , Coo= 100 %

**Cosmos possible****REACH Status**

Exempt

**Specific Statements**

BSE free ✓ GMO free ✓ Animal Testing Free  
Nanomaterials free ✓ Residual solvents Free ✓  
VEGAN ✓

AP 502-1

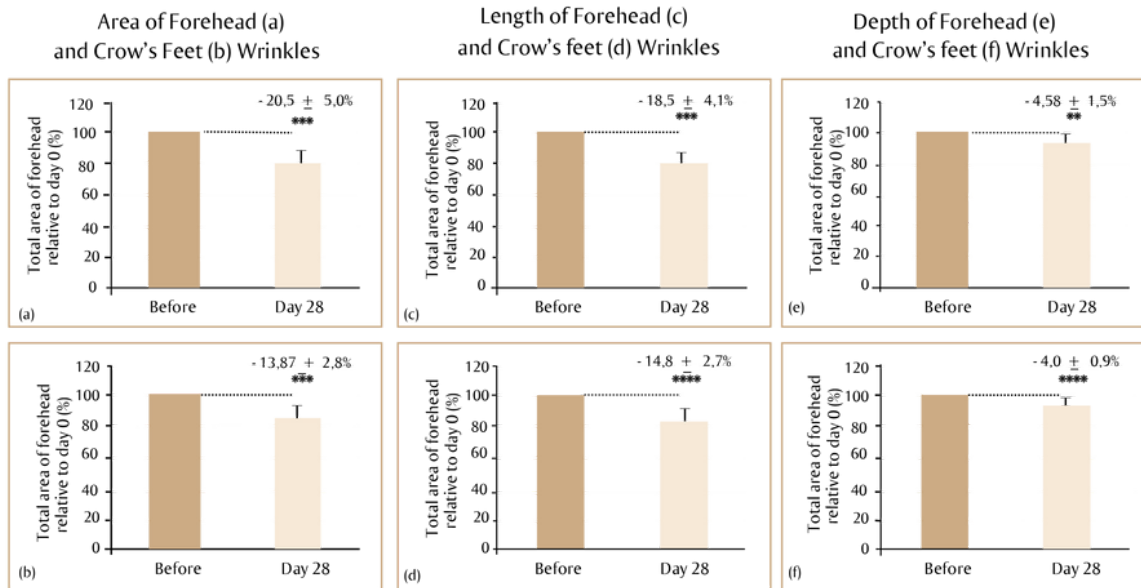
# Actifsoleis Frankincense



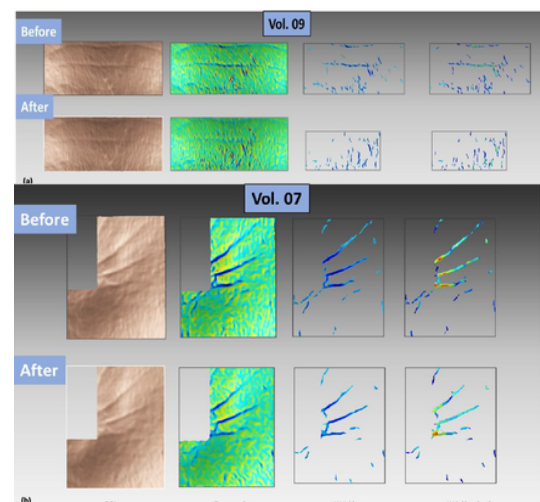
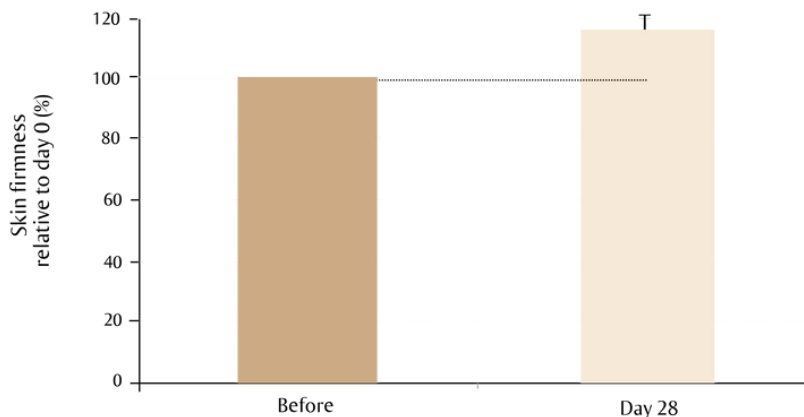
## In Vivo Tested Efficiency

28 day 19 volunteers 2% of Actifsoleis Frankincense

- 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).



- Treatment with Actifsoleis Frankincense significantly increased skin firmness by 16 %, comparing each volunteer with its own control at day 0.



# About Actifs Precieux

Actifs Precieux delivers natural solutions for functional food, health and wellness products. High-quality botanical actives and extracts. As a pioneer in supercritical technology in Africa, Actifs Precieux has gained a key expertise on a specific ecosystem: African and Mediterranean Medicinal Plants.

**WE OFFER TAILORED PRODUCTS TO MEET  
YOUR SPECIFIC REQUIREMENTS  
AND SUPPORT YOU IN YOUR QUALITY**



*Manufacturings of botanicals in  
Zriba, Tunisia*



## Great flexibility

Aware of the requirements of our clients, we respond to the most varied requests. We adapt to our customers, not the way around.



## Naturalness

Organic or conventional, we provide **100% natural ingredients** based on the **ISO 16128 guidelines**.



## Quality

Surrounded by trusted partners, each expert in their field, Actifs Precieux guarantees quality, traceability and safety of its ingredients.



## Analysis

Analysis & strict controls performed internally or with accredited and independent laboratories



## Regulatory

We assure the compliance of our products to international regulation and provide regulatory support to our customers.

## Our Green Technology

**WORKING AREA : 31 – 60°C /  
74 - 600 BAR**

Our Innovative Green technology operates at very high pressure up to 600 bars, which makes it possible to extend the fields of application with a capacity ranging from pilot to industrial scale.

Supercritical fluid extraction (SFE) is the process of separating one component from another using supercritical fluids as the extracting solvent. In the supercritical state, over 74 bar and 31 ° C, CO<sub>2</sub> has specific properties. The fluid obtained is characterized by a high diffusivity, the order of gases, and a high density which endows it with a high transport and extraction capacity.



*Supercritical fluid extraction (SFE)*

The modulation of CO<sub>2</sub> solvent power on the function of the temperature and pressure is the basis of the Supercritical CO<sub>2</sub> technology.

For example:

- Extraction of volatile compounds from a plant at low pressures (100 bar).
- Extraction of lipo-active compounds from a plant at high pressure.

### **Pioneer In Supercritical Fluid High-Pressure Technology In Africa**

As a pioneer in Supercritical Technology in Africa, Actifs Precieux has gained a key expertise on a specific ecosystem: African and Mediterranean Medicinal Plants.

### **Technology Advantages**

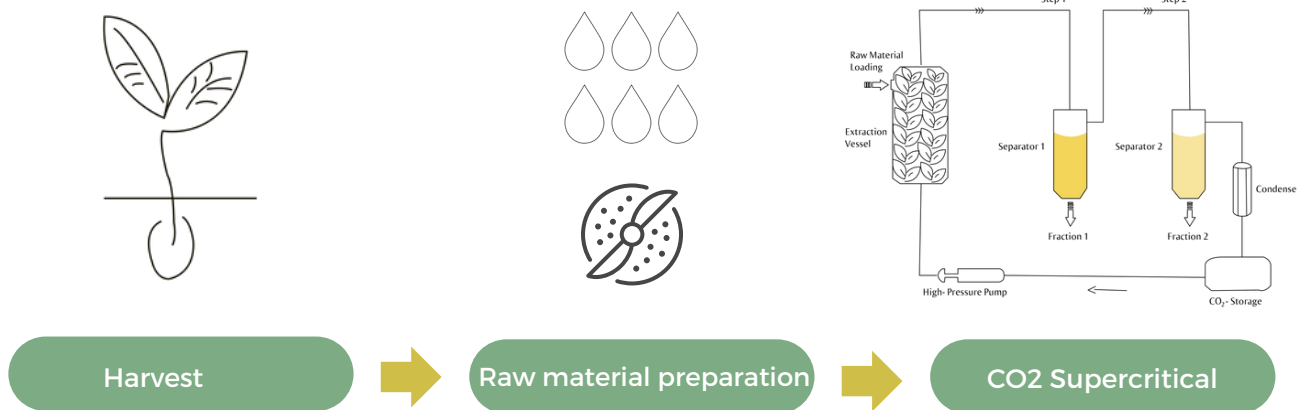
- Inert atmosphere.
- Moderate temperatures conditions.
- Absence of harmful solvents and oxygen.
- Finished products without residues.
- Effective and selective extractions.
- Generation of different fractions in a process.
- Achievements of high yields.
- Immediate application of all fractions



- ✓ **Low carbon footprint**
- ✓ **Valorization of local farmers**
- ✓ **Transparent and sustainable supply chains**

### Extract Specifications

- ✓ Longer shelf life
- ✓ High stability
- ✓ Low dosage levels
- ✓ Residue & toxins free
- ✓ Simple clean label declaration
- ✓ Eco-friendly process



The advantages of using this type of extracts are indisputable for the following reasons:

- **These extracts don't require preservatives**

Fat-soluble extracts are stable.

- **They are highly concentrated**

This allows savings in application, as only a small dose is needed to obtain maximum effectiveness in the cosmetic formulation.

- **They are very eco-friendly**

As no emissions are generated during the extraction process, these extracts are sustainable. In addition, there are no traces of solvents, additives, metal catalysts or heavy metals.

- **The aromas these extracts produce are more natural**

This type of extraction allows high yields to be obtained, achieving the maximum concentration of "aromatic" substances. The odour obtained is therefore very close to that of the original plant or raw material used for the extraction.

- **They have a longer useful life**

There is no degradation over time, as extraction at low temperature and free of oxygen prevents degradation and/or oxidation of the oils.

## CO2 - Extraction Technology Tailor-made Solutions

---

### **We answer to your needs faster and smarter**

Our focus is the development of sustainable natural ingredients for our customers. We deliver solutions that are perfectly adapted to all your needs and expectations. We can carry out all the steps from the sourcing of the raw materials to the marketing of the ingredient. We support you all the way through to the validation of ingredient efficacy.



- 3600 m2
- Pilot unit 5L/ 600 bar
- Development unit of 60L/ 600 bar
- Industrial unit of 260\*2 L/ 600 bar
- Processing capacity of 600T/year

Thanks to our SFE technology , we are able to offer our clients in the natural cosmetics sector a supercritical CO2 extract that is purer than all the others on the market. While other use additives to speed up the extraction process, our solution is the purest for two reasons:

- **Refined extraction technology**

The addition of additives – such as alcohol or solvents – is not necessary in order to make the extraction process profitable. Our supercritical CO2 extract is capable of performing this process based solely on CO2 and can even obtain superior results without having to turn to said additives.

- **In-depth knowledge of raw materials**

Botanical information on all kinds of flowers and plants is essential to being able to offer our clients the best results from each extraction, thereby obtaining much greater product proportions. This can be achieved because at Actifs Précieux we offer our clients co-extracts (the active substances of a raw material act as solvents for the other such that the purest extracts possible are obtained).