

**ACTIFS PRÉCIEUX**  
NATURAL BIOACTIVE INGREDIENTS WITH IMPACT

## GENERAL SPECIFICATION

---

OLEOPINE  
ALEPPO PINE CO2 - TOTAL  
EXTRACT  
REFERENCE: AP 104  
ISSUE DATE: 02/10/2021

---



### 1- Product name

Aleppo pine CO2 -Total Extract.

---

### 2- Raw material

Aleppo pine - Seed, dried

---

### 2. Definition

Aleppo pine CO2 - Total Extract obtained by supercritical fluid extraction using natural carbon dioxide as a solvent. no solvent residues, no inorganic salts, no heavy metals, no reproducible microorganisms

---

### 3. Origin of the Raw Materials

Tunisia

---

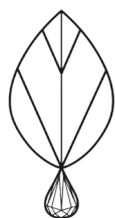
### 4. Declaration

**In food supplements:** Aleppo pine extract

**In cosmetics:**

**INCI-Name:** Pinus Halepensis Seed oil

---



**ACTIFS PRÉCIEUX**  
NATURAL BIOACTIVE INGREDIENTS WITH IMPACT

## GENERAL SPECIFICATION

---

OLEOPINE  
ALEPPO PINE CO<sub>2</sub> - TOTAL  
EXTRACT  
REFERENCE: AP 104  
ISSUE DATE: 02/10/2021

---

### 5. Field of Use

#### **In food supplements:**

The aleppo pine seed extract contribute to a healthy heart diet. It is an important dietary component. It is suitable for use in food supplements due to its high linoleic acid content, among other things.

#### **In cosmetics:**

Our OLEOPINE ..extract revitalizes and nourishes the skin while protecting it from oxidative stress damage induced by blue light (HEV) and ultraviolet radiation (UVA). This effect has been proven in vitro in form of reactive oxygen species (ROS) decrease in human keratinocytes. Additional clinical studies have shown its long-term moisturizing property through a significant increase in skin hydration delicately and effectively. Used daily, Aleppo pine seed extract helps prevent premature skin aging for a more youthful, plump, and glowing appearance.

---

### 6. Organoleptic description

Clear Yellow - White at room temperature clear liquid with typical smell and taste.

---

### 7. Ingredients

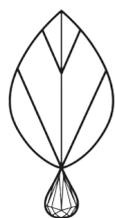
100 % Aleppo pine CO<sub>2</sub>-to extract

---

### 8. Composition

Fatty oil with high content of polyunsaturated fatty acids, including linoleic acid (C18:2) and oleic acids (> 80%) & vitamin E.

---



**ACTIFS PRÉCIEUX**  
NATURAL BIOACTIVE INGREDIENTS WITH IMPACT

## GENERAL SPECIFICATION

---

OLEOPINE  
ALEPPO PINE CO2 - TOTAL  
EXTRACT  
REFERENCE: AP 104  
ISSUE DATE: 02/10/2021

---

### 9. Regulation

The product complies with the requirements of Regulation (EC) No.1334/2008 on flavourings and with the requirements of Regulation (EC) No.1223/2009 on cosmetic products in the currently valid version.

---

### 10. REACH - Status

**The substance is exempted from registration under annex V entry 9 of the reach regulation(EC) No 1907/2006.**

---

### 11. Handling

Warm up 40°C (104°F) and mix before use.

---

### 12. Transport

No dangerous good in the sense of the transport regulations.

---

### 13. Storage Recommendations

Stable for at least **5 years** when stored in its original package, tightly sealed in a cool (46-90°F) and dry location out of heat and light. Storage under inert gas

---

### 14. Packaging

Aluminum can 5 kg (Certified ONU). Aluminum can 32 kg (Certified ONU).

Sample available upon request.

---

### 15. Solubilities

Water: Insoluble

Alcohol: Insoluble

Fixed Oil: Soluble

---



**ACTIFS PRÉCIEUX**  
NATURAL BIOACTIVE INGREDIENTS WITH IMPACT

## GENERAL SPECIFICATION

OLEOPINE  
ALEPPO PINE CO2 - TOTAL  
EXTRACT  
REFERENCE: AP 104  
ISSUE DATE: 02/10/2021

### 16- Specification

Appearance:	Liquid
Odor:	Characteristic
Color:	Clear Yellow to white
Density at 20°C:	0.915 – 0.930
Refractive Index at 20°C:	1.465 – 1.480
Peroxide value (meq O <sub>2</sub> /Kg):	< 30
Acid value (mg KOH/g):	< 10
Iodine value (g/100g):	Not specified
Saponification value (mg KOH/g):	Not specified
Unsaponifiable matter (%):	Not specified
Water content (%):	Not specified
Flash Point (°C)	> 100
PH (Pure Product):	Not specified
Heavy Metals Content:	No heavy metals and inorganic compounds
Total aerobic Germs:	No reproducible microorganisms

The data sheet provides the information of the related product on the date indicated, but does not liable for ensuring the product's properties during the period specified and does not give rise to any contractual legal tie. The essential preliminary tests must be conducted to ensure the suitability of the product for each intended use. The user's attention is drawn to the possible hazards incurred when a product is used for other purposes than those for which it is designed. The user shall be entirely responsible for the necessary precautions taken to the use of the products. The information mentioned in this data sheet does not exempt the user from ensuring other obligations pursuant to laws or regulations other than those indicated relating to the possession and manipulation of the product.