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## **Specifications-Sheet**

### **Essential Oil of Lovage Roots**

#### **Production :**

Our essential oil of Lovage Roots is obtained by water-steam distillation of roots of *Levisticum officinale* Koch (Fam. Umbelliferae - Apiaceae). This product is 100% pure and natural without any other additives. This product is not derived from vegetables genetically modified, and doesn't contain DNA or proteins from GMO.

**Countries of Origin :** France

**Shelf life :** 3 years.

**General Characteristics :** Yellow to dark brown liquid.

#### **Physical and Chemical Characteristics :**

Density at 20°C : between 1,010 and 1,080

Refraction Index at 20°C : between 1,535 and 1,558

Angular rotation at 20°C : between -1° and +5°

Solubility in Alcohol at 20°C : 1.5 ml of 85% Alcohol dissolves in 1 ml of Essential Oil.

Flash Point :  $\geq 100^{\circ}\text{C}$

**GC analysis :** 3-n-butylidene-4,5-dihydrophthalide (ligustilide) : de 50 à 70%

#### **Regulatory data :**

CAS number 8016-31-7

EINECS number 284-292-7

CAS-EINECS number 84837-06-9

FEMA 2651

COE 261

FDA 172.510

Customs Tariff Number 3301.2941

**Storage Conditions :** Keep containers tightly closed in dry, cool and well ventilated places, away from sun any source of heat.

**Declaration :** This product squares with the EU food Law and legal regulations.