

# EVOIL<sup>®</sup> OLEA MEDITERRANEUS

## PRODUCT DATA SHEET



**EVOIL<sup>®</sup> OLEA MEDITERRANEUS** is a Refined Vegetable Oil that improves the intrinsic properties of Olive Oil creating a more functional vegetable oil. It has the fatty acid composition as inferred by the Olive Oil. The physical characteristics have been improved resulting in minimal colour level and a virtually odourless vegetable oil.

**EVOIL<sup>®</sup> OLEA MEDITERRANEUS** exhibits greater stability over time compared to Olive Oil due to the addition of natural Tocopherol.

**EVOIL<sup>®</sup> OLEA MEDITERRANEUS** offers ease of spreading, great penetration and significant moisture retention combined with its high nourishing properties.

**EVOIL<sup>®</sup> OLEA MEDITERRANEUS** is an ideal ingredient that is easily incorporated in all kinds of cosmetics from rinse-off to leave-on products.

### TECHNICAL DATA

<b>Appearance:</b>	Clear oily liquid, yellow pale or greenish yellow, with minimum odour
<b>Acidity index:</b>	≤ 1.0 mg KOH/g oil
<b>Peroxide value:</b>	≤ 10.0 meq O <sub>2</sub> /Kg oil
<b>Specific gravity:</b>	0.91 - 0.92 g/ml
<b>Natural Tocopherol:</b>	≥ 100 ppm

Fatty Acid	Composition
Palmitic acid	7.5 - 20 %
Palmitoleic acid	Max. 3.5 %
Stearic acid	0.5 - 5 %
Oleic acid	56 - 85 %
Linoleic acid	3.5 - 20 %

# EVOIL<sup>®</sup> OLEA MEDITERRANEUS



## APPLICATION

**EVOIL<sup>®</sup> OLEA MEDITERRANEUS** may be applied directly to the skin and hair. It may also be easily incorporated as an active ingredient or an ideal carrier in skin and hair care products. Recommended dosage is between 3 to 10 %.

**EVOIL<sup>®</sup> OLEA MEDITERRANEUS** can also be used directly as massage oil.

## OIL STABILITY INDEX (OSI)

The Oil Stability Index (OSI) was determined using a Rancimat instrument. The rapidity of oxidation of an oil depends on the degree of unsaturation, the presence of antioxidants, and prior storage conditions. In the OSI analysis, the rate of oxidation is slow until resistance to oxidation is overcome. This time is known as the oxidation induction period and it is a tool to determine the useful life of the oil.

**EVOIL<sup>®</sup> OLEA MEDITERRANEUS** OSI: 50.6 hours (100 °C)

ISO 6886 (1996)

Animal and vegetable fats and oils  
Determination of oxidation  
stability

### Conditions

Sample amount  $2.5 \pm 0.01$  g

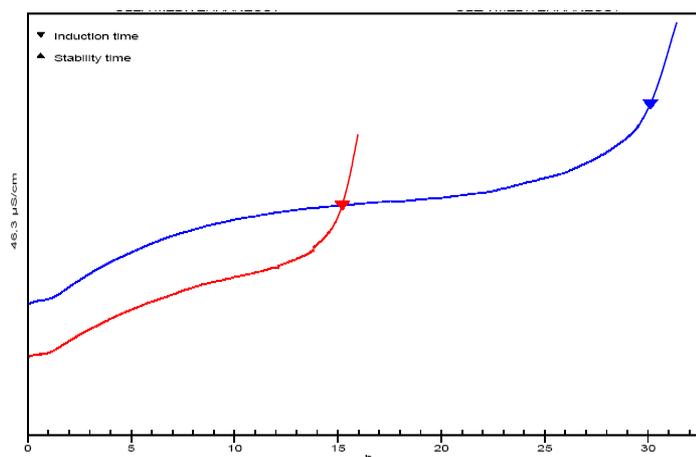
Temperature  $100^{\circ}\text{C} \pm 0.2^{\circ}\text{C}$

Gas flow: 20 L/h

Vessel: 50 mL distilled water

Evaluation Conductivity

Induction time (tangent method)



Blue: determination at 100 °C

Red: determination at 110 °C

**INCI Name:** Olea Europaea (Olive) Fruit Oil, Olea Europaea (Olive) Husk Oil and Tocopherol.