



## POMACE OLIVE OIL

### PRODUCT DATA SHEET



**POMACE OLIVE OIL** is a Natural Vegetable Oil that comes from the olives husk, original from the Mediterranean area and broadly used in cosmetic and personal care products.

**POMACE OLIVE OIL** has a specific fatty acid distribution that provides excellent skin-care properties such as smoothness and lubricity effects which are similar to Olive Oil.

**POMACE OLIVE OIL** possesses excellent emollient properties, has a superior moisturizing effect on the upper layer of the skin and helps in reducing scar appearance. All these properties are appreciated in all type of cosmetics products.

**POMACE OLIVE OIL** due to the addition of natural Vitamin E has antioxidant capability. Antioxidants protect vital cell structures by neutralizing free radicals. Topical vitamin E has shown to have a wide variety of skin benefits.

### TECHNICAL DATA

<b>Appearance:</b>	Pale yellow or greenish oily liquid
<b>Acidity Index:</b>	≤ 1.5 mg KOH/g oil
<b>Iodine Index:</b>	77 - 88
<b>Peroxide Index:</b>	≤ 10 meq O <sub>2</sub> /kg
<b>Saponification Index:</b>	185 - 195
<b>Specific gravity:</b>	0.910 - 0.916 g/ml

Fatty Acid	Composition
Palmitic acid	7.5 - 20 %
Oleic acid	56 - 85 %
Linoleic acid	3.5 - 20 %
Linolenic acid	Max 1.5 %

# POMACE OLIVE OIL



## APPLICATION

**POMACE OLIVE OIL** may be directly applied on to the skin or in formulations for cosmetic and personal care as an active ingredient. The recommended dosage is between 3 and 10 %.

**POMACE OLIVE OIL** is favoured by many soap makers because of the ease in which it saponifies.

**POMACE OLIVE OIL** may be easily combined with other oils to produce any product for cosmetic and personal care applications. It can be used in soaps, creams, balms, body butters, herbal infusions and hair preparations.

**POMACE OLIVE OIL** is useful for rubbing into the skin on any part of the body before a massage as it helps the muscles and nerves; can also be used for massage and health treatments of the body. **POMACE OLIVE OIL** helps to strengthen nails and softens cuticles.

**POMACE OLIVE OIL** applied on the skin may protect the skin from external irritation and help the skin to regain from damage done by irritating agents.

## 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.

**POMACE OLIVE OIL OSI:** 27.9 hours (100 °C)

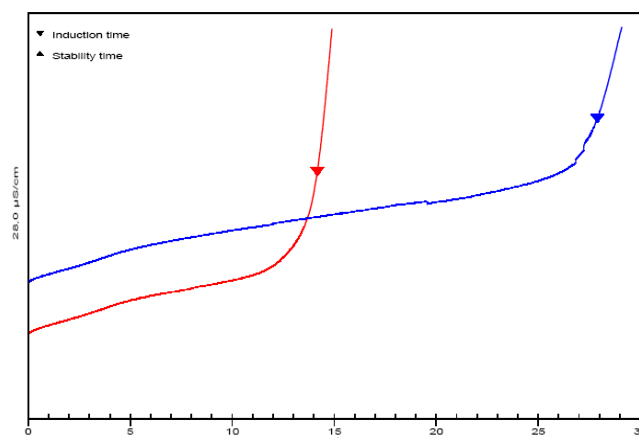
ISO 6886 (1996)  
Animal and vegetable fats and oils  
Determination of oxidation stability

### 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) Husk Oil.

Updated: 03/2007  
Approved: Dr. Blanca Martínez

**POMACE OLIVE OIL**

**POMACE OLIVE OIL****CODE** 008066      **SPECIFICATION**      **Nº** 00806624

<b>PARAMETERS</b>	<b>SPECIFICATIONS</b>	<b>EDITION - 16/08/2007</b>
Appearance	Clear oily liquid, pale yellow or greenish yellow color.	
F.F.A	max. 1.5 %	
Peroxide value	max 10 meq O <sub>2</sub> /Kg	
Specific gravity at 25°C	0.910 - 0.916	
CHROMATOGRAM ACIDS:		
Saturated fatty acids as chain length		
less than C16	Max 0.1 %	
Palmitic	7.5 - 20%	
Palmitoleic	Max 3.5 %	
Stearic	0.5 - 5.0 %	
Oleic	56.0 - 85.0 %	
Linoleic	3.5 - 20 %	
Linolenic	Max 0.9 %	
Arachidic	Max 0.6 %	
Gadoleic	Max 0.4 %	
Behenic	Max 0.3 %	
Lignoceric	Max 0.2 %	

**PACKING**

PACKING: 200 KGS. (420 LB.) STEEL DRUMS OR 23 KGS PAILS/TANKCAR.  
STORAGE: KEEP FULL AND WELL CLOSED IN A DRY PLACE AND AWAY FROM LIGHT.  
WE CERTIFY THAT OUR POMACE OLIVE OIL TX-8066 HAS NOT BEEN TESTED ON ANIMALS.

**REMARKS**