

# OLIVE OIL, ORGANIC EXTRA VIRGIN

## PRODUCT DATA SHEET



**OLIVE OIL ORGANIC EXTRA VIRGIN** is a Natural Vegetable Oil produced under strict standards from organically certified olives grown in the Mediterranean region of Spain with privileged soil and climate. No pesticides or chemicals are used in the cultivation of the olives and the hand-picked harvest respects the trees and the environment. The extraction of the oil by cold-press does not involve any chemical treatment and there is no refining

process.

**OLIVE OIL ORGANIC EXTRA VIRGIN** has a specific fatty acid distribution that provides excellent skin-care properties such as smoothness and lubricity effects which are intrinsic to Olive Oil. In addition, **OLIVE OIL ORGANIC EXTRA VIRGIN** has a high content of unsaponifiables which include natural ingredients such as squalene, beta-sitosterol and polyphenols. Squalene is also one of the key components of human sebum, giving the skin a soft and silky feel. When applied to the skin, it spreads easily without being greasy and it helps to minimize moisture loss. Beta-sitosterol is known to lower cholesterol levels, easing symptoms of benign prostatic hyperplasia (BPH) and having anti-inflammatory activity. In cosmetic applications it has excellent emollient properties and might limit lipogenesis thus reducing the size of adipocytes<sup>1</sup>.

### TECHNICAL DATA

<b>Appearance:</b>	Yellow to greenish oil
<b>Acid value:</b>	max. 0.8
<b>Saponification value:</b>	184 -196
<b>Iodine Value:</b>	75 -94
<b>Unsaponifiable matter:</b>	max. 1.5%
<b>Relative Density (25 °C):</b>	0.906 0.913

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 %

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### APPLICATION



**OLIVE OIL ORGANIC EXTRA VIRGIN** possesses excellent emollient properties that are appreciated in all type of cosmetics products. It is widely used as a carrier oil, for hair care solutions and in body care recipes, where it offers a great conditioning effect. **OLIVE OIL ORGANIC EXTRA VIRGIN** may be used in almost all applications because of its good stability.

**OLIVE OIL ORGANIC EXTRA VIRGIN** may be easily combined with other oils to produce any product for cosmetic and personal care applications.

**OLIVE OIL ORGANIC EXTRA VIRGIN** may also be directly applied onto the skin or used in formulations for cosmetic and personal care at dosages that typically range between 3 and 10 %.

The varieties of the olives used in making **OLIVE OIL ORGANIC EXTRA VIRGIN** are Arbequina and Hojiblanca. These oils have an exquisite flavour and the aroma reminds us of fresh artichokes. They are also fruity with a certain exotic aroma. A fresh apple smell, accompanied by a certain mildness and sweetness, identifies the oils, with a final aftertaste of green almonds.

**INCI Name:** Olea Europaeae (Olive) Fruit Oil.



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<sup>1</sup> Gedouin, A., Vallee, R., Morvan, P.. 2003. *Use of sterols as active ingredient in a cosmetic composition against adiposity*. US6596288.

**OLIVE OIL ORGANIC****CODE** 008075      **SPECIFICATION**      **Nº** 00807501

<b>PARAMETERS</b>	<b>SPECIFICATIONS</b>	<b>EDITION - 22/11/2007</b>
Appearance	Yellow or yellow - greenish oily liquid, characteristic odour.	
Solubility	Slightly soluble in alcohol, miscible with petroleum ether (50° - 70°).	
Acid value	max. 2.0	
Peroxide value	max. 20	
Foreign fatty oils (Apricot & peach kernel oils)	Negative	
Sesame oil	Negative	
Absorbance at 270 nm	< 0.20	
Absorbance ratio 232 nm/ 270 nm	> 8	
<b>CHROMATOGRAPHY:</b>	<b>FATTY ACID FRACTION:</b>	
Saturated fatty acids of chain length less than C16	max. 0.1 %	
Palmitic acid	7.5 - 20 %	
Palmitoleic acid	max. 3.5 %	
Stearic acid	0.5 - 5.0 %	
Oleic acid	56.0 - 85.0 %	
Linoleic acid	3.5 - 20.0 %	
Linolenic acid	max. 1.0 %	
Arachidic acid	max. 0.6 %	
Gadoleic acid	max. 0.4 %	
Behenic acid	max. 0.2 %	
Lignoceric acid	max. 0.2 %	
<b>STEROLS</b>	<b>Sterol fraction of the oil</b>	
Cholesterol	max. 0.5 %	
Campesterol	max. 4.0 %	
Delta 7 stigmasterol	max. 0.5 %	
Total Beta - sitosterol	min. 93.0 %	

**PACKING****REMARKS**

Keep full and well closed in a dry place and away from light. Organic olive oil is obtained by cold press extraction.