

Product - Specification

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Reg-No.: Sp210023e

Rev-No.: e

Printing Date: 24. November 2016

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Product / Trading-Name: **Olive oil extra virgin Ph. Eur. 9.0 Origin: Spain**

Description: Virgin extra olive oil is the fatty oil obtained by cold expression or other suitable mechanical means from the ripe drupes of *Olea europaea* L.

Product No.: 210023

CAS No.: 8001-25-0

EINECS No.: 232-277-0

INCI Name: *Olea Europaea* Fruit Oil

Properties: A clear, yellow or greenish-yellow, transparent liquid. When cooled it begins to become cloudy at 10 °C and becomes a butter-like mass at about 0 °C. Practically insoluble in ethanol (96%); miscible with light petroleum (bp: 50 - 70 °C).

Parameter	Method	Unit	Value
<u>Physical and Chemical Characteristics</u>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 2,0
peroxide value	Ph. Eur. [2.5.5]	meq O ₂ /kg	max. 20,0
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,913
unsaponifiable matter	Ph. Eur. [2.5.7]	%	max. 1,5
absorbance (270 nm)	Ph. Eur. [2.2.25]		max. 0,20
absorbance (232 nm : 270 nm)	Ph. Eur. [2.2.25]		min. 8,0
water	Ph. Eur. [2.5.32]	%	max. 0,1
sesame oil	Ph. Eur.		complies with

Fatty Acid Composition (GC of FAMES)

< C 16 saturated	Ph. Eur. [2.4.22]	%	max. 0,1
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	7,5 - 20,0
16:1 palmitoleic acid	Ph. Eur. [2.4.22]	%	max. 3,5
18:0 stearic acid	Ph. Eur. [2.4.22]	%	0,5 - 5,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	56,0 - 85,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	3,5 - 20,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 1,2
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 0,7
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 0,4
22:0 behenic acid	Ph. Eur. [2.4.22]	%	max. 0,2
24:0 lignoceric acid	Ph. Eur. [2.4.22]	%	max. 0,2

Sterol Composition

Cholesterol	DGF F-III 1 / Ph. Eur. [2.4.23]	%	max. 0,5
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Parameter	Method	Unit	Value
Campesterol	DGF F-III 1 / Ph. Eur. [2.4.23]	%	max. 4,0
Stigmasterol	DGF F-III 1 / Ph. Eur. [2.4.23]	%	< campesterol
beta-Sitosterol (sum)	DGF F-III 1 / Ph. Eur. [2.4.23]	%	min. 93,0
delta7-Stigmasterol	DGF F-III 1 / Ph. Eur. [2.4.23]	%	max. 0,5

Storage:

Keep in well closed, well filled containers or under inert gas, protect from light, cool and dry.

Residual Solvents:

It complies with the guideline CPMP/ICH/283/95 and CPMP/ICH/1940/00 corr. (residual solvents)