

Product - Specification

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Reg-No.: Sp210020e

Rev-No.: e

Printing Date: 10. March 2023

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Product / Trading-Name: **Olive oil extra virgin 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.: 210020

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 with a characteristic odour. When cooled it begins to become cloudy at 10 °C and becomes a butter-like mass at about 0 °C. Practically insoluble in ethanol; miscible with light petroleum.

Parameter	Method	Unit	Value
<u>Physical and Chemical Characteristics</u>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 1,6
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 20,0
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,913
absorbance (270 nm)	Ph. Eur. [2.2.25]		max. 0,22
absorbance (232 nm)	Ph. Eur. [2.2.25]		max. 2,50
delta K	Ph. Eur. [2.2.25]		max. +0,010

Fatty Acid Composition (GC of FAMES)

14:0 myristic acid	Ph. Eur. [2.4.22]	%	max. 0,03
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	7,5 - 20,0
16:1 palmitoleic acid	Ph. Eur. [2.4.22]	%	0,3 - 3,5
18:0 stearic acid	Ph. Eur. [2.4.22]	%	0,5 - 5,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	55,0 - 83,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	2,5 - 21,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 1,0
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 0,6
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 0,5
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	%	max. 0,5
Brassicasterol	DGF F-III 1	%	max. 0,1
Campesterol	DGF F-III 1	%	max. 4,0

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Created:	AS	Checked:	BZ	Released:	MT
Date:	09.12.22	Date:	13.12.22	Date:	20.12.22



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Parameter	Method	Unit	Value
stigmasterol	DGF F-III 1	%	< Campesterol
beta-Sitosterol (sum)	DGF F-III 1	%	min. 93,0
delta7-Stigmasterol	DGF F-III 1	%	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 CHMP/ICH/82260/2006 (residual solvents)