

Product - Specification

gustavheess
group of companies since 1897

Reg-No.: Sp210031h

Rev-No.: h

Printing Date: 2. June 2023

Page: 1

Product / Trading-Name: **Olive oil refined Ph. Eur. 11.0**

Description: Refined Olive oil is the fatty oil obtained by refining of crude olive oil, obtained by cold expression or other suitable mechanical means from the ripe drupes of *Olea europaea* L.

Product No.: 210031

CAS No.: 8001-25-0

EINECS No.: 232-277-0

INCI Name: *Olea Europaea* Fruit Oil

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

Parameter	Method	Unit	Value
<u>Physical and Chemical Characteristics</u>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 0,3
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 10,0
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,913
alkaline impurities	Ph. Eur. [2.4.19]		complies with
unsaponifiable matter	Ph. Eur. [2.5.7]	%	max. 1,5
absorbance (270 nm)	Ph. Eur. [2.2.25]		max. 1,20
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 and isomers	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
-------------	---------------------------------	---	----------

Continued

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



Product - Specification

gustavheess
group of companies since 1897

Reg-No.: Sp210031h

Rev-No.: h

Printing Date: 2. June 2023

Page: 2

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 CHMP/ICH/82260/2006 (residual solvents)