

Product - Specification

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Reg-No.: Sp208131f

Printing Date: 10. March 2023

Rev-No.: f

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Product / Trading-Name: **Almond oil refined organic Ph. Eur. 11.0 DE-ÖKO-001**

Description: Almond Oil is the fatty oil obtained from the ripe seeds of *Prunus dulcis* (Miller) D.A. Webb var. *dulcis* or *Prunus dulcis* (Miller) D.A. Webb var. *amara* (D.C.) Buchheim or a mixture of both varieties by cold expression. It is then refined.

Product No.: 208131

CAS No.: 8007-69-0 / 90320-37-9

EINECS No.: - / 291-063-5

INCI Name: *Prunus Amygdalus Dulcis* Oil

Properties: A pale yellow, clear liquid. Slightly soluble in ethanol (96%), miscible with light petroleum. It solidifies at about -18 °C.

Parameter	Method	Unit	Value
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Physical and Chemical Characteristics

acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 0,5
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 5,0
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,916
unsaponifiable matter	Ph. Eur. [2.5.7]	%	max. 0,9
water	Ph. Eur. [2.5.32]	%	max. 0,1
absorbance (at maximum at 270 nm)	Ph. Eur. [2.2.25]		0,2 - 6,0

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]	%	4,0 - 9,0
16:1 palmitoleic acid	Ph. Eur. [2.4.22]	%	max. 0,8
17:0 margaric acid	Ph. Eur. [2.4.22]	%	max. 0,2
18:0 stearic acid	Ph. Eur. [2.4.22]	%	max. 3,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	62,0 - 86,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	20,0 - 30,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 0,4
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 0,2
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 0,3
22:0 behenic acid	Ph. Eur. [2.4.22]	%	max. 0,2
22:1 erucic acid	Ph. Eur. [2.4.22]	%	max. 0,1

Sterol Composition

Cholesterol	DGF F-III 1 / Ph. Eur. [2.4.23]	%	max. 0,7
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Created:	AS	Checked:	MT	Released:	MT
Date:	09.12.22	Date:	13.12.22	Date:	13.12.22



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Parameter	Method	Unit	Value
Brassicasterol	DGF F-III 1 / Ph. Eur. [2.4.23]	%	max. 0,3
Campesterol	DGF F-III 1 / Ph. Eur. [2.4.23]	%	max. 5,0
Stigmasterol	DGF F-III 1 / Ph. Eur. [2.4.23]	%	max. 4,0
beta-Sitosterol	DGF F-III 1 / Ph. Eur. [2.4.23]	%	73,0 - 87,0
delta5-Avenasterol	DGF F-III 1 / Ph. Eur. [2.4.23]	%	min. 5,0
delta7-Stigmasterol	DGF F-III 1 / Ph. Eur. [2.4.23]	%	max. 3,0
delta7-Avenasterol	DGF F-III 1 / Ph. Eur. [2.4.23]	%	max. 3,0

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)