

Product - Specification

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Reg-No.: Sp216030d

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Product / Trading-Name: **Apricot kernel oil refined**

Description: Apricot Kernel Oil is obtained from the kernels of apricots (*Prunus armeniaca*). The kernels contain about 40 - 50 % fixed oil. The oil is obtained by mechanical expression and following refining.

Product No.: 216030

CAS No.: 68650-44-2 / 72869-69-3

EINECS No.: 272-046-1 / 615-861-3

INCI Name: Prunus Armeniaca Kernel Oil

Properties: A pale yellow to yellow oil. It has a slight characteristic odour and a mild taste. It is insoluble in water and slightly soluble in ethanol; soluble in lipophilic solvents.

Parameter	Method	Unit	Value
<u>Physical and Chemical Characteristics</u>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 0,6
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 10,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		ca. 1,472
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,918
alkaline impurities	Ph. Eur. [2.4.19]		complies with
unsaponifiable matter	DAB [N 2.5.1]	%	max. 1,0
iodine value	Ph. Eur. [2.5.4]	g I2/100g	90,0 - 115,0
saponification value	Ph. Eur. [2.5.6]	mg KOH/g	185,0 - 195,0

Fatty Acid Composition (GC of FAMES)

14:0 myristic acid	Ph. Eur. [2.4.22]	%	max. 1,5
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	3,0 - 10,0
16:1 palmitoleic acid	Ph. Eur. [2.4.22]	%	max. 1,5
18:0 stearic acid	Ph. Eur. [2.4.22]	%	0,5 - 4,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	54,0 - 70,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	20,0 - 35,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 1,0
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 0,5
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 0,5
22:0 behenic acid	Ph. Eur. [2.4.22]	%	max. 0,5
other fatty acids	Ph. Eur. [2.4.22]	%	max. 1,0

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 CPMP/ICH/283/95 and CPMP/ICH/1940/00 corr. (residual solvents)

Created:	AS	Checked:	BZ	Released:	MT
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