

Product - Specification

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Reg-No.: Sp220172c

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Page: 1

Product / Trading-Name: **Sunflower oil high oleic refined BSCI organic DE-ÖKO-001**

Description: Sunflower oil high oleic is the fatty oil obtained from the ripe seeds of *Helianthus annuus* L. (Asteraceae) by expression. It is then refined.

Product No.: 220172

CAS No.: 8001-21-6 or 164250-88-8

EINECS No.: 232-273-9 or -

INCI Name: Helianthus Annuus Seed Oil or Helianthus Annuus Hybrid Oil

Properties: Clear, nearly colorless to pale yellow liquid, almost without odour. Practically insoluble in water, miscible with ether and petrolether.

Parameter	Method	Unit	Value
<u>Physical and Chemical Characteristics</u>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 0,5
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 10,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		ca. 1,470
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,915
alkaline impurities	Ph. Eur. [2.4.19]		complies with
iodine value	Ph. Eur. [2.5.4]	g I2/100g	78,0 - 95,0
unsaponifiable matter	Ph. Eur. [2.5.7]	%	max. 1,5

Fatty Acid Composition (GC of FAMES)

16:0 palmitic acid	Ph. Eur. [2.4.22]	%	2,6 - 5,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	2,9 - 6,2
18:1 oleic acid	Ph. Eur. [2.4.22]	%	75,0 - 90,7
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	2,1 - 17,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 0,3
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	0,2 - 0,5
22:0 behenic acid	Ph. Eur. [2.4.22]	%	0,5 - 1,6

Storage:

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

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