

Product - Specification

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Product / Trading-Name: **Sunflower oil high oleic HO refined organic Naturland 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. It is manufactured according to Naturland guidelines.

Product No.: 220182

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]	%	2,0 - 7,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	max. 7,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	min. 75,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	4,0 - 16,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 2,0
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 2,0
22:0 behenic acid	Ph. Eur. [2.4.22]	%	max. 2,0
other fatty acids	Ph. Eur. [2.4.22]	%	max. 2,0

Storage:

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

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