

Product - Specification

gustavheess
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Reg-No.: Sp226031f

Rev-No.: f

Printing Date: 21. January 2026

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Product / Trading-Name: **Safflower oil refined type II high oleic Ph. Eur. 12**

Description: Safflower oil Type II high oleic is the fatty oil obtained from seeds of hybrids of *Carthamus tinctorius* L. by expression and/or extraction followed by refining.
It is rich in oleic (cis-9-octadecenoic) acid.

Production: The oil is prepared using materials and methods to ensure that the content of brassicasterol in the sterol fraction of the oil is not greater than 0,3 %

Product No.: 226031

CAS No.: 8001-23-8

EINECS No.: 232-276-5

INCI Name: *Carthamus Tinctorius* Seed Oil

Properties: A clear, viscous, yellow to pale yellow liquid. It is practically insoluble in ethanol 96%, miscible with light petroleum (bp: 40 - 60 °C).

Parameter	Method	Unit	Value
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 O ₂ /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. 0,914
alkaline impurities	Ph. Eur. [2.4.19]		complies with
unsaponifiable matter	Ph. Eur. [2.5.7]	%	max. 1,5
water	Ph. Eur. [2.5.32]	%	max. 0,1

Fatty Acid Composition (GC of FAMES)

< C 14	Ph. Eur. [2.4.22]	%	max. 0,2
14:0 myristic acid	Ph. Eur. [2.4.22]	%	max. 0,2
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	3,6 - 6,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	1,0 - 5,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	70,0 - 84,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	7,0 - 23,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 0,5
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 1,0
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 1,0

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Parameter	Method	Unit	Value
22:0 behenic acid	Ph. Eur. [2.4.22]	%	max. 1,2

Version Ph.Eur.:

This specification complies with the current version of the Ph.Eur.

Storage:

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