

Product - Specification

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Reg-No.: Sp310031e

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Product / Trading-Name: **Safflower oil refined Type I Ph. Eur. 11.0**

Description: Safflower oil Type I is the fatty oil obtained from seeds of *Carthamus tinctorius* L. by expression and/or extraction followed by refining.

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.: 310031

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 with a neutral odour and a mild or neutral taste. It is practically insoluble in ethanol 96%, miscible with light petroleum (bp: 40 - 60 °C).

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. 1,476
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,922
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]	%	4,0 - 10,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	1,0 - 5,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	8,0 - 21,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	68,0 - 83,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 0,5
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. 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:	AW	Released:	MT
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