

Product - Specification

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Reg-No.: Sp314031f

Rev-No.: f

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Product / Trading-Name: **Corn oil (Maize oil) refined solvent extracted Ph. Eur. 11.0**

Description: Refined maize oil is the fatty oil obtained from the seeds of Zea mays L. by mechanical expression or extraction. It is then refined.

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.: 314031

CAS No.: 8001-30-7

EINECS No.: 232-281-2

INCI Name: Zea Mays Oil

Properties: Maize oil is a clear, light yellow or yellow oil. It is practically insoluble in water and in ethanol (96%), miscible with light petroleum (bp: 40 - 60 °C) and with methylene chloride.

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. 1,474
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,920
alkaline impurities	Ph. Eur. [2.4.19]		complies with
unsaponifiable matter	Ph. Eur. [2.5.7]	%	max. 2,8
water	Ph. Eur. [2.5.32]	%	max. 0,1

Fatty Acid Composition (GC of FAMES)

< C 16 (sum)	Ph. Eur. [2.4.22]	%	max. 0,6
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	8,6 - 16,5
18:0 stearic acid	Ph. Eur. [2.4.22]	%	max. 3,3
18:1 oleic acid and isomers	Ph. Eur. [2.4.22]	%	20,0 - 42,2
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	39,4 - 65,6
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	0,5 - 1,5
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 0,8
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 0,5
22:0 behenic acid	Ph. Eur. [2.4.22]	%	max. 0,5
any other fatty acid	Ph. Eur. [2.4.22]	%	max. 0,5

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 CHMP/ICH/82260/2006 (residual solvents)

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