

Product - Specification

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Reg-No.: Sp300131c

Rev-No.: c

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Product / Trading-Name: **Soybean oil refined organic DE-ÖKO-001 Ph. Eur. 11.3**

Description: Organic soybean oil is obtained from the organically grown seeds of *Glycine max* (L.) Merr. (*Glycine hispida* (Moench) Maxim.) by expression and physical 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.: 300131

CAS No.: 8001-22-7

EINECS No.: 232-274-4

INCI Name: Glycine Soja Oil

Properties: A clear, pale yellow oil. Practically insoluble in ethanol (96%), miscible with light petroleum (bp: 50 - 70 °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. 1,475
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. 0,1
14:0 myristic acid	Ph. Eur. [2.4.22]	%	max. 0,2
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	9,0 - 13,0
16:1 palmitoleic acid	Ph. Eur. [2.4.22]	%	max. 0,3
18:0 stearic acid	Ph. Eur. [2.4.22]	%	2,5 - 5,4
18:1 oleic acid and isomers	Ph. Eur. [2.4.22]	%	17,0 - 30,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	48,0 - 58,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	4,5 - 11,0
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 1,0
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 1,0
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.

Created:	PS	Checked:	A. Schw.	Released:	M. Tullius
Date:	24.09.24	Date:	24.09.24	Date:	24.09.24

