

# Product - Specification

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Reg-No.: Sp380320c

Rev-No.: c

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Product / Trading-Name: **Evening primrose oil virgin pressed organic DE-ÖKO-001**

**Description:** Evening primrose oil is obtained from the seeds of Oenothera, especially Oenothera Biennis L. und Oenothera Lamarkiana L. through cold expression. It is not refined.

**Product No.:** 380320

**CAS No.:** 90028-66-3

**EINECS No.:** 289-859-2

**INCI Name:** Oenothera Biennis Oil

**Properties:** Yellow to greenish oil with typical odour and taste. Practically insoluble in water and in ethanol, miscible with light petroleum.

Parameter	Method	Unit	Value
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## Physical and Chemical Characteristics

acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 5,0
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 20,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		ca. 1,478
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,923

## Fatty Acid Composition (GC of FAMES)

< C 16	Ph. Eur. [2.4.22]	%	max. 0,3
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	4,0 - 10,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	1,0 - 4,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	5,0 - 12,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	65,0 - 85,0
18:3 gamma linolenic acid	Ph. Eur. [2.4.22]	%	7,0 - 14,0
18:3 alpha linolenic 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.**

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