

# Product - Specification

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Reg-No.: Sp380031f

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Product / Trading-Name: **Evening primrose oil pressed and refined Ph. Eur. 11.0 min.9% GLA**

**Description:** Evening primrose oil is the fatty oil obtained from seeds of *Oenothera Biennis* L. or *Oenothera Lamarckiana* L. by expression. 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.:** 380031

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

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

**INCI Name:** *Oenothera Biennis* Oil

**Properties:** Clear, light yellow to yellow liquid. Practically insoluble in water and in ethanol (96%), miscible with light petroleum (bp: 40-60 °C).

Parameter	Method	Unit	Value
<b><u>Physical and Chemical Characteristics</u></b>			
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. 1,478
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,923
alkaline impurities	Ph. Eur. [2.4.19]		complies with
unsaponifiable matter	Ph. Eur. [2.5.7]	%	max. 2,5
water	Ph. Eur. [2.5.32]	%	max. 0,1

### **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]	%	9,0 - 14,0
18:3 alpha linolenic 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)

<b>Created:</b>	AS	<b>Checked:</b>	JF	<b>Released:</b>	MT
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