

# Product - Specification

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Reg-No.: Sp380060b

Rev-No.: b

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Product / Trading-Name: **Evening primrose oil pressed refined min. 10% GLA**

**Description:** Evening primrose oil is obtained from the seeds of Oenothera, especially Oenothera Biennis L. und Oenothera Lamarkiana L. It is then refined. A suitable antioxidant may be added.

**Product No.:** 380060

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

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

**INCI Name:** Oenothera Biennis Oil

**Properties:** Clear pale yellow to yellow oil with light odour and taste. Practically insoluble in water and in ethanol, miscible with light petroleum.

Parameter	Method	Unit	Value
<b><u>Physical and Chemical Characteristics</u></b>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 1,0
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

### **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]	%	10,0 - 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.

### **Residual Solvents:**

It complies with the guideline CPMP/ICH/283/95 and CPMP/ICH/1940/00 corr. (residual solvents)

<b>Created:</b>	AS	<b>Checked:</b>	LL	<b>Released:</b>	Schw
<b>Date:</b>	21.07.14	<b>Date:</b>	21.07.14	<b>Date:</b>	22.07.14

