

Product - Specification

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Reg-No.: Sp380122c

Rev-No.: c

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

Description: Evening primrose oil is obtained from the seeds of Oenothera, especially Oenothera biennis L. und Oenothera lamarkiana L. by expression and physical refining.

Product No.: 380122

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 alcohol, miscible with light petroleum.

| Parameter | Method | Unit | Value |
|-----------|--------|------|-------|
|-----------|--------|------|-------|

Physical and Chemical Characteristics

| | | | |
|--------------------------|------------------|-----------|-----------|
| acid value | Ph. Eur. [2.5.1] | mg KOH/g | max. 1,5 |
| 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 |

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.

Residual Solvents:

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

| | | | | | |
|-----------------|----------|-----------------|----------|------------------|----------|
| Created: | AS | Checked: | LL | Released: | Schw |
| Date: | 21.06.17 | Date: | 21.06.17 | Date: | 21.06.17 |

