

Product - Specification

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Reg-No.: Sp504123e

Rev-No.: e

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Product / Trading-Name: **Jojoba oil virgin organic DAC DE-ÖKO-001**

Description: Jojoba oil is the liquid wax obtained from the ripe seeds of *Simmondsia chinensis* (Link) Schneid. (Buxaceae) by expression without additional heating. It may then be deodorized. Because of its structure (liquid wax, composed of wax esters with a high molecular weight) jojoba oil is not suitable for human consumption.

Product No.: 504123

CAS No.: 90045-98-0 [for Australia (AICS) 61789-91-1]

EINECS No.: 289-964-3

INCI Name: Simmondsia Chinensis Seed Oil

Properties: Clear, light yellow to yellow, oily liquid; characteristic odour. Below 10°C it solidifies to a soft granular substance. It is insoluble in water and ethanol, miscible with ether and petroleum spirit.

| Parameter | Method | Unit | Value |
|---|------------------|-----------|----------------|
| <u>Physical and Chemical Characteristics</u> | | | |
| acid value | Ph. Eur. [2.5.1] | mg KOH/g | max. 2,0 |
| peroxide value | Ph. Eur. [2.5.5] | meq O2/kg | max. 8,0 |
| refractive index (20 °C) | Ph. Eur. [2.2.6] | | 1,463 - 1,468 |
| appearance | | | complies with |
| relative density (20 °C) | Ph. Eur. [2.2.5] | | 0,86 - 0,88 |
| colour (Ph. Eur.) | Ph. Eur. | | darker than G4 |
| unsaponifiable matter | Ph. Eur. [2.5.7] | % | 45,0 - 55,0 |

Fatty Acid Composition (GC of FAMES)

| | | | |
|-----------------------|-----|---|-------------|
| 16:0 palmitic acid | DAC | % | max. 3,0 |
| 16:1 palmitoleic acid | DAC | % | max. 1,0 |
| 18:1 oleic acid | DAC | % | 5,0 - 15,0 |
| 20:1 eicosenoic acid | DAC | % | 65,0 - 80,0 |
| 22:0 behenic acid | DAC | % | max. 1,0 |
| 22:1 erucic acid | DAC | % | 10,0 - 20,0 |
| 24:1 nervonic acid | DAC | % | max. 3,0 |
| other fatty acids | DAC | % | max. 3,0 |

Storage:

Keep in well closed, well filled containers or under inert gas, protect from light, cool and dry.

| | | | | | |
|-----------------|----------|-----------------|----------|------------------|----------|
| Created: | PS | Checked: | BZ | Released: | MD |
| Date: | 29.02.24 | Date: | 29.02.24 | Date: | 29.02.24 |

