

Product - Specification

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Page: 1

Product / Trading-Name: **Rose hip kernel oil cold pressed organic DE-ÖKO-001**

Description: Rose Hip Kernel Oil is obtained from the kernels of rose hips (Rosa Canina or Rosa Moschata or Rosa Rubiginosa) by cold expression.

Product No.: 370320

CAS No.: 84696-47-9 / 84603-93-0

EINECS No.: 283-652-0 / -

INCI Name: Rosa Canina Fruit Oil or Rosa Moschata Seed Oil or Rosa Rubiginosa Seed Oil

Properties: Orange-red oil with a characteristic odour and taste. It is insoluble in water, soluble in lipophilic solvents.

| Parameter | Method | Unit | Value |
|---|------------------|-----------|---------------|
| <u>Physical and Chemical Characteristics</u> | | | |
| acid value | Ph. Eur. [2.5.1] | mg KOH/g | max. 4,0 |
| peroxide value | Ph. Eur. [2.5.5] | meq O2/kg | max. 15,0 |
| refractive index (20 °C) | Ph. Eur. [2.2.6] | | 1,470 - 1,485 |
| relative density (20 °C) | Ph. Eur. [2.2.5] | | 0,920 - 0,950 |

Fatty Acid Composition (GC of FAMES)

| | | | |
|---------------------|-------------------|---|-------------|
| 16:0 palmitic acid | Ph. Eur. [2.4.22] | % | 2,0 - 5,0 |
| 18:0 stearic acid | Ph. Eur. [2.4.22] | % | max. 3,0 |
| 18:1 oleic acid | Ph. Eur. [2.4.22] | % | 13,0 - 18,0 |
| 18:2 linoleic acid | Ph. Eur. [2.4.22] | % | 35,0 - 48,0 |
| 18:3 linolenic acid | Ph. Eur. [2.4.22] | % | 25,0 - 38,0 |
| 20:0 arachidic 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.

| | | | | | |
|-----------------|----------|-----------------|----------|------------------|----------|
| Created: | PS | Checked: | BZ | Released: | MD |
| Date: | 12.11.24 | Date: | 12.11.24 | Date: | 12.11.24 |

