

Product - Specification

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Reg-No.: Sp104130a

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Product / Trading-Name: **Palmkerneloil refined organic IP CU-RSPO SCC-818895
DE-ÖKO-001**

Description: Palm Kernel Oil is obtained from the kernels of the fruits of *Elaeis guineensis* L.. The kernels contain about 46 - 53 % oil. Palm kernel oil is obtained by expression and following physical refining.

Product No.: 104130

CAS No.: 8023-79-8

EINECS No.: 232-425-4

INCI Name: *Elaeis Guineensis* Kernel Oil

Properties: A white to yellow, solid (at 20°C) fat. It has a neutral odour and taste. It is insoluble in water; soluble in lipophilic solvents.

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

Physical and Chemical Characteristics

| | | | |
|------------------------------|------------------|-----------|-----------|
| acid value | Ph. Eur. [2.5.1] | mg KOH/g | max. 0,6 |
| peroxide value | Ph. Eur. [2.5.5] | meq O2/kg | max. 5,0 |
| refractive index (40 °C) | Ph. Eur. [2.2.6] | | ca. 1,451 |
| colour (Lovibond 5 1/4") red | EN 1557 | | max. 3,5 |

Fatty Acid Composition (GC of FAMES)

| | | | |
|---------------------|-------------------|---|-------------|
| 8:0 caprylic acid | Ph. Eur. [2.4.22] | % | 2,0 - 6,5 |
| 10:0 capric acid | Ph. Eur. [2.4.22] | % | 2,5 - 5,0 |
| 12:0 lauric acid | Ph. Eur. [2.4.22] | % | 44,0 - 55,0 |
| 14:0 myristic acid | Ph. Eur. [2.4.22] | % | 12,5 - 18,0 |
| 16:0 palmitic acid | Ph. Eur. [2.4.22] | % | 6,5 - 12,0 |
| 18:0 stearic acid | Ph. Eur. [2.4.22] | % | 1,0 - 3,5 |
| 18:1 oleic acid | Ph. Eur. [2.4.22] | % | 11,0 - 20,0 |
| 18:2 linoleic acid | Ph. Eur. [2.4.22] | % | 1,0 - 4,5 |
| 18:3 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 CPMP/ICH/283/95 and CPMP/ICH/1940/00 corr. (residual solvents)

| | | | | | |
|-----------------|----------|-----------------|----------|------------------|----------|
| Created: | AS | Checked: | OB | Released: | Schw |
| Date: | 24.10.17 | Date: | 24.10.17 | Date: | 24.10.17 |

