

# Product - Specification

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Reg-No.: Sp104036c

Rev-No.: c

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Product / Trading-Name: **Palm kernel oil refined SG CU-RSPO SCC-818895**

**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 or extraction and following refining.

**Product No.:** 104036

**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 a characteristic taste. It is insoluble in water; soluble in lipophilic solvents.

Parameter	Method	Unit	Value
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## Physical and Chemical Characteristics

acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 0,3
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 3,0
refractive index (40 °C)	Ph. Eur. [2.2.6]		ca. 1,451
colour (Lovibond 5 1/4") red	EN 1557		max. 1,5
iodine value	Ph. Eur. [2.5.4]	g I2/100g	14,0 - 21,0

## Fatty Acid Composition (GC of FAMES)

8:0 caprylic acid	Ph. Eur. [2.4.22]	%	2,0 - 5,0
10:0 capric acid	Ph. Eur. [2.4.22]	%	2,5 - 5,0
12:0 lauric acid	Ph. Eur. [2.4.22]	%	44,0 - 50,0
14:0 myristic acid	Ph. Eur. [2.4.22]	%	14,0 - 18,0
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	7,0 - 10,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	1,5 - 3,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	14,0 - 19,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	2,0 - 3,5

## **Storage:**

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

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