

Product - Specification

gustavheess
group of companies since 1897

Reg-No.: Sp100031e

Rev-No.: e

Printing Date: 21. April 2020

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Product / Trading-Name: **Coconut oil refined Ph. Eur. 10.0**

Description: Refined coconut oil is the fatty oil obtained from the dried, solid part of the endosperm of *Cocos nucifera* L., then refined.

Product No.: 100031

CAS No.: 8001-31-8

EINECS No.: 232-282-8

INCI Name: Cocos Nucifera Oil

Properties: A white or almost white, unctuous mass; practically insoluble in water, freely soluble in methylene chloride and in light petroleum (bp: 65 - 70 °C), very slightly soluble in ethanol (96%).

Parameter	Method	Unit	Value
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Physical and Chemical Characteristics

acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 0,5
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 5,0
refractive index (40 °C)	Ph. Eur. [2.2.6]		ca. 1,449
alkaline impurities	Ph. Eur. [2.4.19]		complies with
unsaponifiable matter	Ph. Eur. [2.5.7]	%	max. 1,0
melting point	Ph. Eur. [2.2.15]	°C	23 - 26
water	Ph. Eur. [2.5.32]	%	max. 0,1

Fatty Acid Composition (GC of FAMES)

6:0 caproic acid	Ph. Eur. [2.4.22]	%	max. 1,5
8:0 caprylic acid	Ph. Eur. [2.4.22]	%	5,0 - 11,0
10:0 capric acid	Ph. Eur. [2.4.22]	%	4,0 - 9,0
12:0 lauric acid	Ph. Eur. [2.4.22]	%	40,0 - 50,0
14:0 myristic acid	Ph. Eur. [2.4.22]	%	15,0 - 20,0
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	7,0 - 12,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	1,5 - 5,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	4,0 - 10,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	1,0 - 3,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 0,2
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 0,2
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 0,2

Storage:

Keep in well closed, well filled containers or under inert gas, protect from light, cool and dry. Storage temperature for boxes should not exceed 20 °C.

Residual Solvents:

Continued

Created:	AS	Checked:	AW	Released:	JL
Date:	13.11.19	Date:	13.11.19	Date:	14.11.19



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