

Product - Specification

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Reg-No.: Sp740130a

Rev-No.: a

Printing Date: 2. August 2024

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Product / Trading-Name: **Castor oil refined 100% NOP & EU organic certified by KIWA
BCS-DE-ÖKO-001**

Description: Castor Oil is the fixed oil obtained by mechanical expression from the seeds of *Ricinus communis* L..
It is then refined.

Product No.: 740130

CAS No.: 8001-79-4

EINECS No.: 232-293-8

INCI Name: Ricinus Communis Seed Oil

Properties: A clear, slightly yellow, viscous, hygroscopic liquid. Slightly soluble in light petroleum; miscible with glacial acetic acid and with ethanol.

Parameter	Method	Unit	Value
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Physical and Chemical Characteristics

acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 2,0
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 7,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		ca. 1,479
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,958
iodine value	Ph. Eur. [2.5.4]	g I2/100g	82,0 - 90,0
optical rotation	Ph. Eur. [2.2.7]	°	+3,5 - +6,0
unsaponifiable matter	Ph. Eur. [2.5.7]	%	max. 0,8
hydroxyl value	Ph. Eur. [2.5.3]	mg KOH/g	min. 160
water	Ph. Eur. [2.5.12]	%	max. 0,3

Fatty Acid Composition (GC of FAMES)

16:0 palmitic acid	Ph. Eur. [2.4.22]	%	max. 2,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	max. 2,5
18:1 oleic acid and isomers	Ph. Eur. [2.4.22]	%	2,5 - 6,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	2,5 - 7,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 1,0
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 1,0
ricinoleic acid	Ph. Eur. [2.4.22]	%	85,0 - 92,0
any other fatty 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.

Residual Solvents:

It complies with the guideline CHMP/ICH/82260/2006 (residual solvents)

Created: AS

Checked: MT

Released: MT

Date: 03.12.21

Date: 06.12.21

Date: 06.12.21

