

Product - Specification

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Reg-No.: Sp504023d

Rev-No.: d

Printing Date: 5. September 2024

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Product / Trading-Name: **Jojoba oil (Jojoba wax) virgin DAC**

Description: Jojoba oil is the liquid wax obtained from the ripe seeds of Simmondsia chinensis (Link) Schneid. (Buxaceae) by expression without additional heating. It may then be deodorized.

Product No.: 504023

CAS No.: 90045-98-0 [for Australia (AICS) / China (IECIC) 61789-91-1]

EINECS No.: 289-964-3

INCI Name: Simmondsia Chinensis Seed Oil

Properties: Clear, light yellow to yellow, oily liquid; characteristic odour. Below 10°C it solidifies to a soft granular substance. It is insoluble in water and ethanol, miscible with ether and petroleum spirit. Because of its structure (liquid wax, composed of wax esters with a high molecular weight) jojoba oil is not suitable for human consumption.

Parameter	Method	Unit	Value
<u>Physical and Chemical Characteristics</u>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 2,0
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 8,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		1,463 - 1,468
appearance	DAC		complies with
relative density (20 °C)	Ph. Eur. [2.2.5]		0,86 - 0,88
colour (Ph. Eur.)	Ph. Eur.		darker than G4
unsaponifiable matter	Ph. Eur. [2.5.7]	%	45,0 - 55,0
<u>Fatty Acid Composition (GC of FAMES)</u>			
16:0 palmitic acid	DAC	%	max. 3,0
16:1 palmitoleic acid	DAC	%	max. 1,0
18:1 oleic acid	DAC	%	5,0 - 15,0
20:1 eicosenoic acid	DAC	%	65,0 - 80,0
22:0 behenic acid	DAC	%	max. 1,0
22:1 erucic acid	DAC	%	10,0 - 20,0
24:1 nervonic acid	DAC	%	max. 3,0
other fatty acids	DAC	%	max. 3,0

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:	22.02.24	Date:	29.02.24	Date:	29.02.24



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