

# Product - Specification

**gustavheess**  
group of companies since 1897

Reg-No.: Sp504023c

Rev-No.: c

Printing Date: 25. May 2022

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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
<b><u>Physical and Chemical Characteristics</u></b>			
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]		ca. 1,466
appearance	DAC		complies with
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,868
colour (Ph. Eur.)	Ph. Eur.		darker than G4
saponification value	Ph. Eur. [2.5.6]	mg KOH/g	90,0 - 98,0
unsaponifiable matter	Ph. Eur. [2.5.7]	%	45,0 - 55,0

### **Fatty Acid Composition (GC of FAMES)**

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.**

### **Residual Solvents:**

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

<b>Created:</b>	AS	<b>Checked:</b>	BZ	<b>Released:</b>	MT
<b>Date:</b>	29.07.21	<b>Date:</b>	29.07.21	<b>Date:</b>	02.08.21



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