

# Product - Specification

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Reg-No.: Sp305020h

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Product / Trading-Name: **Hemp seed oil cold pressed**

**Description:** Hemp seed oil is obtained by cold expression from low THC Cannabis sativa seeds.  
**Product No.:** 305020  
**CAS No.:** 89958-21-4  
**EINECS No.:** 289-644-3  
**INCI Name:** Cannabis Sativa Seed Oil  
**Properties:** Dark green oil with typical odour and taste. Insoluble in water, miscible with ether and petroleum spirit.

Parameter	Method	Unit	Value
<b><u>Physical and Chemical Characteristics</u></b>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 4,0
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 10,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		ca. 1,479
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,926
iodine value	Ph. Eur. [2.5.4]	g I2/100g	145,0 - 170,0
THC		ppm	max. 7,5

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

16:0 palmitic acid	Ph. Eur. [2.4.22]	%	4,5 - 12,5
16:1 palmitoleic acid	Ph. Eur. [2.4.22]	%	max. 1,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	0,5 - 4,5
18:1 oleic acid	Ph. Eur. [2.4.22]	%	5,5 - 20,5
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	44,5 - 65,5
18:3 gamma linolenic acid	Ph. Eur. [2.4.22]	%	min. 0,5
18:3 alpha linolenic acid	Ph. Eur. [2.4.22]	%	13,5 - 30,5
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 2,0
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 1,0
22:0 behenic 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)**

<b>Created:</b>	AS	<b>Checked:</b>	JF	<b>Released:</b>	MT
<b>Date:</b>	23.11.22	<b>Date:</b>	25.11.22	<b>Date:</b>	25.11.22

