

Product - Specification

gustavheess
group of companies since 1897

Reg-No.: Sp305120h

Printing Date: 28. November 2022

Rev-No.: h

Page: 1

Product / Trading-Name: **Hemp seed oil cold pressed organic DE-ÖKO-001**

Description: Hemp seed oil is obtained by cold expression from low THC organic Cannabis sativa seeds.

Product No.: 305120

CAS No.: 89958-21-4

EINECS No.: 289-644-3

INCI Name: Cannabis Sativa Seed Oil

Properties: Dark green oil with characteristic odour and taste. Insoluble in water, miscible with ether and petroleum spirit.

Parameter	Method	Unit	Value
<u>Physical and Chemical Characteristics</u>			
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)

Created:	AS	Checked:	JF	Released:	MT
Date:	23.11.22	Date:	25.11.22	Date:	25.11.22

