

Product - Specification

gustavheess
group of companies since 1897

Reg-No.: Sp322120a

Rev-No.: a

Printing Date: 3. July 2025

Page: 1

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

Description: Black Cumin seed oil is obtained by mechanical extraction from the seeds of Nigella sativa.

Product No.: 322120

CAS No.: 90064-32-7

EINECS No.: 290-094-1

INCI Name: Nigella Sativa Seed Oil

Properties: Brown oil with a characteristic odour and taste. It is insoluble in water, miscible with ether and petroleum spirit.

Parameter	Method	Unit	Value
<u>Physical and Chemical Characteristics</u>			
refractive index (20 °C)	Ph. Eur. [2.2.6]		ca. 1,474
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,920
saponification value	Ph. Eur. [2.5.6]	mg KOH/g	185,0 - 205,0
<u>Fatty Acid Composition (GC of FAMES)</u>			
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	8,0 - 14,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	max. 4,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	18,0 - 30,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	50,0 - 65,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 1,0
20:2 eicosadienic acid	Ph. Eur. [2.4.22]	%	2,0 - 3,5

Storage:

Keep in well closed, well filled containers or under inert gas, protect from light, cool and dry.

Created: PS

Checked: JF

Released: SG

Date: 04.06.24

Date: 04.06.24

Date: 04.06.24

