



Organic Black Cumin CO2 Total Extract  
INCI: Nigella Sativa (Black Cumin) Seed Extract  
Product ID: ORGCO2BLKCUMINTQ3DE52

### Specifications

#### Analytical Details

**Appearance:**

**Odor:**

**Acid Value:**

**Relative Density (20 °C):**

**Refractive Index (20 °C):**

**Moisture:**

**Thymohydroquinone:**

**Thymoquinone:**

**Carvacrol:**

**Thymol:**

**Content of Essential Oil:**

#### Methods

Visual

Organoleptic

21.016.03, DGF

21.024.03, Pycnometer

21.080.03, Abbe-Refractometer

21.220.01, Karl Fischer Method

21.175.05, HPLC quant.

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21.006.01, Distillation, Gravimetric

#### Specifications

Yellow - Brown Oil

Characteristic

Not Specified

0.915 - 0.925 g/cm<sup>3</sup>

1.4720 - 1.4780

Not Specified

Not Specified

> 3.0%

Not Specified

Not Specified

> 5.0%

#### Fat Content Profile

**Total Fat:**

**Saturated Fatty Acids:**

**Monounsaturated Fatty Acids:**

**Polyunsaturated Fatty Acids:**

DGF Method, C - VI 10b

DGF Method, C - VI 10b

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Not Specified

Not Specified

Not Specified

Not Specified

#### Volatile Components

**α-Thujene:**

**α-Pinene:**

**Sabinene:**

**β-Pinene:**

**Cymene:**

**Limonene:**

**γ-Terpinene:**

**Carvone:**

**Thymoquinone:**

**Carvacrol:**

**Longifolene:**

**Thymohydroquinone:**

21.214.01, GCMS

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21.214.01, GCMS

21.214.01, GCMS

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21.214.01, GCMS

Not Specified

Not Specified

Not Specified

Not Specified

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Not Specified

Not Specified

## NATURAL SOURCING®

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**Fatty Acid Profile**

<b>C16:0 Palmitic:</b>	21.156.03, GCFID	Not Specified
<b>C16:1 ω7 Palmitoleic:</b>	21.156.03, GCFID	Not Specified
<b>C18:0 Stearic:</b>	21.156.03, GCFID	Not Specified
<b>C18:1 ω9 Oleic:</b>	21.156.03, GCFID	Not Specified
<b>C18:1 ω7 Vaccenic:</b>	21.156.03, GCFID	Not Specified
<b>C18:2 ω6 Linoleic:</b>	21.156.03, GCFID	45 - 65%
<b>C18:3 ω3 α-Linolenic:</b>	21.156.03, GCFID	Not Specified
<b>C20:0 Arachidic:</b>	21.156.03, GCFID	Not Specified
<b>C20:1 ω9 Eicosenoic:</b>	21.156.03, GCFID	Not Specified
<b>C20:2 ω9 Eicosadienoic:</b>	21.156.03, GCFID	> 1.0%

**Persistent Organic Pollutants**

<b>Benzo(a)pyrene:</b>	21.177.02, GCMS	EC No. 1881/2006, EC No. 1933/2015
<b>Sum of Benzo(a)Pyrene, Benz(a)Anthracene, Benzo(b)Fluoranthene, and Chrysene:</b>	21.177.02, GCMS	EC No. 1881/2006, EC No. 1933/2015
<b>Pesticides:</b>		USP / EP

**Monitored Substances**

<b>Nigellicimine:</b>	GCMS	Not Specified
<b>Nigellicimine Oxide:</b>	GCMS	Not Specified
<b>Isoquinone Alkaloids:</b>	GCMS	Not Specified

**Shelf Life:** 2 Years

**Date:** 08/23/2022

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