

PRODUCT NAME	PRODUCT CODE	LOT
Organic Black Cumin CO2-to	CO050	462115
BEST BEFORE DATE	DATE OF ISSUE	
30. 4. 2031	24. 8. 2026	

All data and facts above are taken from the certificate provided by the manufacturer. This certificate confirms that the product meets all specified quality parameters and regulatory requirements.

1 GENERAL IDENTIFICATION DATA

PARAMETER	VALUE
INCI	Nigella Sativa Seed Extract
CAS No.	90064-32-7
EC number	290-094-1
HS code	13021990
Botanical source	Nigella sativa L.
Product color	Yellow, Amber
Country of origin	Turkey, Germany
Grade	Cosmetic Grade, Food Grade
Processing method	CO2 Extraction
Origin of product	Vegetable
Storage conditions	Keep container tightly closed, Protect from light, Store in a cool place
Odour	Characteristic
Appearance	Oil solution

2 ANALYTICAL PARAMETERS

PARAMETER	RESULT	SPECIFICATION
Water activity (a_w)	0,491	< 0,7
Total monounsaturated fatty acids (%)	25,1	n.s.
Total saturated fatty acids (%)	15,8	n.s.
Total polyunsaturated fatty acids (%)	59,2	n.s.
Total fat (%)	100,0	n.s.
Acid value (mg KOH/g)	58,6	n.s.
Refractive index at 20 °C	1,4718	1,4695 - 1,4780

Nigellitimine (syn. Nigellimine) (ppm)	Complies	< 0,01
Nigellitimine-N-oxide (ppm)	Complies	< 0,01
Essential oil content (%)	8,2	> 5,0
Water content (%)	0,34	n.s.
Specific density at 20 °C (g/cm ³)	0,9218	0,915 - 0,925
Hydroquinone	0,04	n.s.

3 FATTY ACID PROFILE

PARAMETER	RESULT	SPECIFICATION
Alpha-linolenic acid C18:3	0,31	n.s.
Arachidic acid C20:0	0,13	n.s.
Eicosadienoic acid C20:2 (%)	2,0	> 1,0
Eicosenoic acid C20:1	0,45	n.s.
Linoleic acid C18:2	56,9	45 - 65
Oleic acid C18:1	23,6	n.s.
Palmitoleic acid C16:1	0,23	n.s.
Palmitic acid C16:0	13,1	n.s.
Stearic acid C18:0	2,6	n.s.
Vaccenic acid C18:1	0,80	n.s.

4 FATTY ACID PROFILE

PARAMETER	RESULT	SPECIFICATION
Alpha-Pinene (%)	2,4	n.s.
Alpha-Thujene (%)	10,8	n.s.
Beta-Pinene (%)	2,3	n.s.
Carvacrol (%)	0,47	n.s.
Total volatile flavour compounds (%)	100	
Gamma-Terpinene (%)	<0,01	n.s.
Longifolene (%)	4,1	n.s.
p-Cymene (%)	34,0	n.s.
Sabinene (%)	1,1	n.s.
Thymohydroquinone (%)	0,04	n.s.
Thymol (%)	n.d.	

Document is signed with a qualified electronic signature, which has the same legal effect as a handwritten signature.

DIGITALLY SIGNED DOCUMENT

Signed by: Handymade s.r.o. — Quality department

Signed on: 24. 8. 2026 · Fingerprint: D43C 9B73 D46F 458B

Handymade

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