



ORGANIC SPECIFICATIONS OF BLACK CUMIN SEED OIL (Cold Pressed)

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- 1. INGREDIENTS:** Organic black cumin seed oil.
- 2. DEFINITION:** Black cumin seed oil is the obtained from the *Nigella Sativa*. It is a product that does not contain any additives that may harm human health in accordance with its technique.

3. PHYSICAL CHARACTERISTICS

INCI NAME	: Nigella Sativa (Black Cumin) Seed Oil
COLOR/APPEARANCE	: Clear, Dark Amber, Oily Liquid
ODOUR	: Typical, No Foreign Smell Or Odour
TASTE	: Typical, No Foreign Taste Or Flavour

4. CHEMICAL CHARACTERISTICS

SPECIFICATION	TOLERANCE
Product Use	Personal Care
Moisture	Max % 0,5
Peroxide Value (mEq/kg)	Max 70,0
Acidity (as Oleic Acid)	Max 4,0 %
Specific Gravity (H ₂ O = 1) g/ml	0.916 to 0.924
Refractive Index at 20°C	1.470 - 1.475
Sulphure	< 10 ppm
Pesticides	< RL (Reporting Limit) According to EC Regulation No 834/2007 and 889/2008 and according to USDA organic regulation 7 CFR Part 205
Aflatoxin	Within EU regulation tolerances
Lead (Pb)	< 0,2 mg/kg
Cadmium (Cd)	< 0,2 mg/kg
Mercury (Hg)	< 0,2 mg/kg
Arsenic (As)	< 0,2 mg/kg



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5. TYPICAL FATTY ACID PROFILE %

SPECIFICATION		TOLERANCE
Palmitic Acid	C16:0	5,0 – 15,0
Stearic Acid	C18:0	Max. 4
Oleic Acid	C18:1	23,0-45,0
Linoleic Acid	C18:2	45,0-60,0
Linolenic Acid	C18:3	0.1-1
Arachidic Acid	C20:0	Max. 1,5
Saturated Fatty Acids		10,0-20,0
Mono Unsaturated Fatty Acids		15,0-30,0
Poly Unsaturated Fatty Acids		45,0-60,0

6. MICROBIOLOGICAL SPECIFICATIONS

Total viable count	Max 100cfu/g
Yeast	Max 10 cfu / g
Mould	Max 10 cfu / g

7. PACKAGING: 190 kg barrel, 27 kg drum.

8. SHELF LIFE: Minimum 24 months after production date.

9. STORAGE CONDITIONS: Cool and dry place.

10. NUTRITIONAL VALUES

Typical Values per 100g	
Energy (kcal)	900
Protein(g)	0
Carbohydrates (g)	0
Of which sugars (g)	0
Fibre (g)	0
Fat (g)	99,5
Of which saturates (g)	5
Sodium (mg)	0



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11. ALLERGEN INFORMATION

ALLERGEN	YES	NO	Which raw material affected?
Celery		x	
Cereals containing glutenie wheat, rye, barley, oats, etc		x	
Crustaceans		x	
Egg		x	
Fish		x	
Lupinie leguminous plants, lupin flour		x	
Milk (including lactose) ie cream, yoghurt, cheese,etc		x	
Molluscs (including squid & octopus)		x	
Mustard		x	
Nuts		x	
Peanuts		x	
Sesame Seeds		x	
Soybean		x	
Sulphur Dioxide SO2 and Sulphites at >10mg/Kg or 10mg/L as expressed as SO2		x	
GMOs Genetically Modified Organisms)		x	

Country of Manufacture	Turkey
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12. PHYSICAL DETECTION

Filter : 20 micron before filling to final packaging.