



SPECIFICATIONS OF ORGANIC BLACK CUMIN SEED OIL (COLD PRESS)

Document no	SPE 014
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- PRODUCT NAME:** Organic Black Cumin Seed Oil
- INGREDIENTS:** 100% pure, organic black cumin seed oil
- DEFINITION:** Black cumin seed is the seed that is formed in the fruits of plants that fall into the *Nigella sativa* L. type. Organic black seed oil is meticulously extracted from organically grown black seeds (*Nigella Sativa*) sourced from certified organic orchards.
- PROCESSING METHOD:** The oil is obtained through a cold-pressing method and purified by filtering. This process ensures the preservation of oils natural characteristics, flavour, and nutritional value. No chemical solvents or additives are used during the process.
- PHYSICAL AND SENSORY SPECIFICATIONS**

INCI NAME : Nigella Sativa (Black Cumin) Seed Oil

APPEARANCE : Pure Fine Oil, Oily Liquid, Clear

COLOR : Dark amber, Brown-Greenish

TASTE / ODOR : Characteristic, Aromatic, No Objectionable Odors or Flavors

6. CHEMICAL SPECIFICATIONS

SPECIFICATION	TOLERANCE
Acidity (as Oleic Acid)	Max 11,0%
Specific Gravity (H ₂ O =1) g/mL	0,916 to 0,924
Refractive Index at 20°C	1,470 - 1,474
Iodine Value	115 - 130
Saponification Value	185 - 211
Unsaponifiable Matter	Max. 7,0 %

SPECIFICATION	TOLERANCE
Sulphure	None
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	B ₁ ; < 2 ppb Sum of B ₁ , B ₂ , G ₁ and G ₂ ; < 4 ppb

**This product complies with Commission Regulation (EU) 2023/915 of 25 April 2023 on maximum levels for certain contaminants in food and repealing Regulation (EC) No 1881/2006.*

7. TYPICAL FATTY ACID PROFILE

SPECIFICATION		TOLERANCE (%)
Myristic Acid	C14:0	Max 1,0
Palmitic Acid	C16:0	5,0 – 15,0
Heptadecanoic Acid	C17:0	Max 0,1



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Heptadecenoic Acid	C17:1	Max 1,0
Stearic Acid	C18:0	Max 4,0
Oleic Acid	C18:1	23,0 - 45,0
Linoleic Acid	C18:2	45,0 - 60,0
Linolenic Acid	C18:3	Max 1,0
Arachidic Acid	C20:0	Max 1,5

8. MICROBIOLOGICAL SPECIFICATIONS

CRITERIA	LIMITS
Total Viable Count	Max 10 ² cfu/g
Yeast	Max 10 cfu/g
Mould	Max 10 cfu/g

9. PURPOSE OF USE, ALTERNATIVE USE AND SENSITIVE CONSUMER GROUP

PURPOSE OF USE: Organic black seed oil is suitable for food consumption and cosmetic formulations.

ALTERNATIVE USE: Black cumin seed oil can be used as oil for bread or other baked goods, along with herbs and spices. Also it could be used for personal care.

SENSITIVE CONSUMER GROUP: It is suitable for all consumers (babies older than 18 months).

10. PACKAGING

Primary Packaging: Food-grade glass bottles or barrels to protect the product from external elements.

Secondary Packaging: Carton boxes or pallet and plastic wrap providing an additional layer of protection during transit and storage.

11. SHELF LIFE AND STORAGE CONDITIONS

Black cumin seed oil has minimum 30 months shelf life after production date under suitable storage conditions. The storage room must be constructed in a way that prevents damage to the quality of the product, its packaging and labels. Doors, windows and other parts of the storage room must have appropriate equipment to prevent the entry of all kinds of pests. The products should be stored at cool and dry place.

12. NUTRITIONAL INFORMATION

TYPICAL VALUES PER 100G	
Energy (kcal)	900
Protein (g)	0



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Carbohydrates (g)	0
Of which sugars (g)	0
Fibre (g)	0
Fat (g)	99,5
Of which saturates (g)	5
Sodium (mg)	0

**Values may differ according to harvest years.

13. ALLERGEN INFORMATION

ALLERGEN	YES	NO	WHICH RAW MATERIAL AFFECTED?
Celery		✗	
Cereals Containing Gluten (wheat, rye, barley, oats, etc.)		✗	
Crustaceans		✗	
Egg		✗	
Fish		✗	
Lupin		✗	
Milk (including lactose), ice cream, yoghurt, cheese, etc.		✗	
Molluscs (including squid & octopus)		✗	
Mustard		✗	
Nuts		✗	
Peanuts		✗	
Sesame Seeds		✗	
Soybean		✗	
Sulphur Dioxide SO ₂ and Sulphites at > 10mg/kg or 10mg/L as expressed as SO ₂		✗	
GMOs (Genetically Modified Organisms)		✗	

Country of Manufacture	Turkey
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14. PHYSICAL DETECTION

Black cumin seed oil controlled with a 15 micron filter before being filled into the final packaging.

15. X-RAY DETECTION

TEST KITS	DETECTION LIMITS
Glass Ball	2 mm Ø
Stainless Steel	1,2 mm Ø
Ceramics	2 mm Ø

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COMPANY APPROVAL	CUSTOMER APPROVAL

Allergens:-When purchased in bulk size original packaging, manufacturer allergen policy will apply. When purchased in quantities that need re-packaging, our allergen policy will apply.						
Component	Manufacturer			Nuts in Bulk (Applies when bought in small quantities that need re-packaging)		
	In Product	Processed in Same Equipment	Handled on Site	In Product	Processed in Same Equipment	Handled on Site
Cereals containing GLUTEN and products thereof	NO	NO	NO	NO	YES	YES
EGGS or its derivatives	NO	NO	NO	NO	NO	NO
FISH or its derivatives	NO	NO	NO	NO	NO	NO
CRUSTACEANS / SHELLFISH	NO	NO	NO	NO	NO	NO
MOLLUSCS	NO	NO	NO	NO	NO	NO
PEANUTS or derivatives	NO	NO	NO	NO	YES	YES
SOYA BEANS or derivatives	NO	NO	NO	NO	YES	YES
MILK (LACTOSE) or its derivatives	NO	NO	NO	NO	YES	YES
NUTS , tree nuts:	NO	NO	NO	NO	YES	YES
CELERY, including celeriac and its derivatives	NO	NO	NO	NO	YES	YES
MUSTARD, referring to all parts of the plant and derivatives thereof	NO	NO	NO	NO	YES	YES
SESAME SEEDS or derivatives	NO	NO	NO	NO	YES	YES
SULPHITES >10ppm – Sulphite quantity to be given in ppm	NO	NO	NO	NO	YES	YES
LUPIN seeds or derivatives	NO	NO	NO	NO	NO	NO