



Organic Hulled Hemp Seeds

GENERAL					
Product Name	Agricultural Species, Variety Name	Country of Origin	VAT number	Name of Organic Control Body, Code	No of Organic Certificate
EU Organic Hulled Hemp Seeds	<i>Cannabis sativa L.</i> Finola	EU	NL 851724620B01	SKAL, NL-BIO-01	102049

NUTRITION DECLARATION	
per 100 g of product	
energy, kJ / kcal	2344 / 564
fat	44 g
of which	
- saturates	4,52 g
- mono-unsaturates	4,29 g
- polyunsaturates	34,89 g
carbohydrate	10,34 g
of which	
- sugars	0 g
fibre	8,33 g
protein	32,44 g
salt	0,04 g
vitamin A	375 µg
vitamin D	12,5 µg
Vitamin E	2 mg

FATTY ACIDS	
per 100 g of product	
omega-3 acids	19,18 %
omega-6 acids	56,85 %
omega-9 acids	9,81 %
C 16:0 palmitic acid	5,29 %
C 18:0 stearic acid	2,26 %
C 18:1 syringic acid (cis isomer)	9,81 %
C 18:2 linoleic acid	55,70 %
C 18:3 alfa-linolenic acid	20,15 %
C 18:3 gamma-linolenic acid	3,99 %
C 20:0 arachidic acid	0,83 %
C 20:1 gadoleinic acid	n.d.
C 20:2 eicosandienoic acid	n.d.
C 22:0 behenic acid	0,37 %
C 22:1 erucic acid	n.d.
C 22:2 docosadeinoic acid	n.d.

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**NUTRITION AND HEALTH CLAIMS MADE ON PRODUCT**

according to (EC) No 1924/2006 and (EU) No 432/2012

Product is: 1) **Sugar-free**, 2) **Very low in salt**, 3) **High in fibre**, 4) **High in protein**, 5) **High in vitamin A**, 6) **High in vitamin D**, 7) **Source of vitamin E**, 8) **High in omega-3 fatty acids**, 9) **High in polyunsaturated fat**, 10) **High in unsaturated fat**.

- Protein contributes to a growth in muscle mass and the maintenance of muscle mass and normal bones.
- Alpha-linolenic acid / Linoleic acid contributes to the maintenance of normal blood cholesterol levels [The beneficial effect is obtained with a daily intake of: 2 g of ALA / 10 g of LA; MUFA and PUFA are unsaturated fats].
- Reducing consumption of sodium contributes to the maintenance of normal blood pressure.
- Vitamin A contributes to normal iron metabolism, the maintenance of normal mucous membranes, normal skin and normal vision, the normal function of the immune system and it has a role in the process of cell specialisation.
- Vitamin D contributes to normal absorption/utilisation of calcium and phosphorus, normal blood calcium levels, the normal function of the immune system, the maintenance of normal bones, muscle function and normal teeth and it has a role in the process of cell division.
- Vitamin E contributes to the protection of cells from oxidative stress.

PRODUCT PRODUCTION

The initially purified and dried organic hemp seeds are sieved according to diameter. Then each fraction is separately de-hulled – seed shells is mechanically cracked open and aspirated from the seed's nut. Because this concerns cold production, the outflow temperature is max. 40 °C. Product is made only from viable seeds – seeds with more than 75 % of germination. No thermal or chemical treatment involved. Produced in the Lithuania from seeds organically grown in the Baltic States (Lithuania, Latvia, Estonia) without using any herbicides and pesticides or mineral manure.

MICROBIOLOGICAL MAXIMUM LEVELS

Criterion	Result	Unit
Aerobic Plate Count 30°C	<10 ⁶	cfu/g
Anaerobic Sulphite Reducing Bacteria 37°C	<10 ⁴	cfu/g
Coliforms 30°C	<10 ³	cfu/g
Escherichia coli 44°C	n.d. (<10)	cfu/g
Moulds 25°C	<10 ⁴	cfu/g
Yeast 25°C	<10 ⁶	cfu/g
Coagulase positive Staphylococcus 37°C	<10 ²	cfu/g
Presumptive Bacillus cereus 30°C	<10	cfu/g
Salmonella	n.d.	/125 g
Enterobacteriaceae 37°C	<10 ⁵	cfu/g

IMPURITIES, FOREIGN MATTER MAXIMUM LEVELS

Criterion	Result	Unit
Total Impurities	<0,8***	%
Hulled seeds with green membranes	<7	%

***possible of wild buckwheat or black bindweed, sclerotium, cereals, extraneous matter etc.

PRODUCT DESCRIPTION AND VARIATION

White-beige seeds with few green membranes, characteristic nutty flavour and aroma. This is an agricultural product, therefore some batch variation may occur in: colour, flavour, odour, appearance or composition, reflecting growing conditions and seasonal variation.

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CHEMICAL/PHYSICAL MAXIMUM LEVELS			
Criterion		Result	Unit
Moisture*		<8	%
Tétrahydrocannabinol (THC)*		<5	mg/kg
Gluten*		<20	mg/kg
Pesticides**		n.d. (<0,01)	mg/kg
Heavy Metals**, (EC) No 1881/2006	Lead (Pb)	<0,20	mg/kg
	Cadmium (Cd)	<0,20	mg/kg
	Mercury (Hg)	<0,10	mg/kg
PAH's**, (EC) No 1881/2006	Benzo(a)pyrene	<2	µg/kg
	Sum PAH4	<10	µg/kg
Acid Value**		<4	mg KOH/g
Peroxide Value**		<15	meqO ₂ /kg
Free Fatty Acids**	as lauric acid	<2	%
	as oleic acid	<2	%
	as palmitic acid	<2	%
Mycotoxins** (EC) No 1881/2006	B ₁	<2	µg/kg
	Sum of B ₁ , B ₂ , G ₁ and G ₂	<4	µg/kg
	Ochratoxin A	<3	µg/kg
	Deoxynivalenol	<750	µg/kg

REQUIREMENTS FOR STORAGE AND TRANSPORTATION
Product should be stored at cool (0 – 6 °C), dry, dark conditions away from direct light. Clean truck, food grade, in closed and save packaging units.

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