

HEMP SEED PROTEIN POWDER

HEMP PROTEIN contains approximately 50% complete plant-based protein, with all 21 known amino acids, including all essential amino acids (that the grown-up human body cannot synthesize itself). Protein contributes to the growth and maintenance of muscle mass. Hemp protein is easily digestible and is high in Omega 3 fatty acids, Vitamin E, Potassium, Phosphorus, Magnesium, Iron, Zinc, Copper, Manganese.

1. PRODUCT DESCRIPTION

Hemp protein powder, obtained by milling and sieving of hemp cake resulted after cold pressing of raw hemp seeds, at a processing temperature of 45-48°C.

2. INTENDED USE

Raw, edible food ingredient, excellent protein source for vegetarian and vegan diets; we recommend 2 tbsp / day in yoghurt, milk or shakes with fruits.

3. INGREDIENT LIST

100% protein powder from cold pressed whole hemp seeds, gently crushed.

4. ORIGIN

Processed and packed in Romania, Intrastate, Code no.21061020, from EU and nonEU seeds.

5. PACKAGING**Consumer packaging**

500g stand up re-sealable pouches, material (PA/AL/PE) PP7, packed in cardboard boxes PAP20, 24 x 500g, 38 boxes per Euro pallet and 60 boxes per Industrial pallet.

6. SHELF LIFE AND STORAGE CONDITIONS**A. Shelf life**

In the original, unopened, air tight and light proof pack: 18 months.

B: Storage

Dry, dark, free from smells, max 25°C. Refrigerate after opening.

7. CODIFICATION & TRACEABILITY**Bag label/box label**

Lot code; EAN 13-code; best before end (month, year).

HEMP SEED PROTEIN POWDER
8. CERTIFICATIONS

- A. Food Safety Management System according to ISO 22000:2005 certified by TÜV Rheinland.
- B. Organic certification according to EU legislation (for Organic product).
- C. KOSHER from OK Kosher.

9. PRODUCT CHARACTERISTICS
A. Sensory test

Colour & appearance: varies from bright green to green with shades of light brown. Odour & taste: nutty, characteristic, free from foreign odour & taste.

B. Chemical-physical properties

Density: bulk 0.52g/cm³- tapped 0.71g/cm³. Moisture <8%.

C. Microbiological properties

Analysis	Limits	Method
Yeast & moulds	< 2 x 10 ⁴ cfu/g	SR ISO 21527/1 or 2
E. coli	< 20 cfu/g	ISO 16649-2
Salmonella	Absent in 25g	EN/ISO 6579

10. CONTAMINANTS

Mycotoxines

Maximum levels of B1: 2,0 µg/kg

Maximum levels of Sum of B1, B2, G1&G2:4,0 µg/kg

Pesticides: negative; Moisture <8%

THC < 5 ppm

Heavy metals: Lead <0.1 mg/kg; Cadmium<0.2 mg/kg si

Mercury <0.1mg/kg

11. ALLERGENS

Products contains no substances or products causing Lysine - 0.96g allergies or intolerance defined in Annex II of EC/1169/2011.

Cereals - gluten	<20mg/kg	Nuts	-
Crustaceans	-	Celery	-
Eggs	-	Lupin	-
Fish	-	Molluscs	-

HEMP SEED PROTEIN POWDER

Peanuts	-	Mustard	-
Soybeans	-	Sesame seeds	-
Milk	-	Sulphur dioxide	-

+: present; -: absent; ? : traces or cross-contamination are possible.

12. GMO INFORMATION

The product is not genetically modified (according to EC/1829/2003 and EC 1830/2003).

13. NUTRITION DECLARATION

	100gr	30gr	% RI ¹ /100gr	% RI ¹ /40gr
Energy	1495Kj	598Kj	17.8%	7.1%
	358Kcal	143Kcal	17.9%	7%
Fat	11g	4g	15.7%	6%
Of which				
- saturates	1.7g	0.7g	8.5%	3.5%
- mono-unsaturates	1.9g	0.8g		
- polyunsaturates	7g	3g		
Carbohydrate	5g	2g	2.0%	0.8%
Of which				
- sugars	4.1g	1.7g	4.6%	1.9%
Fibre	21.0g	8.5g		
Protein	50.0g	20.0g	100.0%	40.0%
Salt²	0g	0g		

Vitamins and minerals

Vitamin E (α tocoferol)	0.94g	0.38g	7.8%	3.1%
Vitamin E (γ tocoferol)	5.94g	2.38g		
Potassium	1283mg	513mg	64%	26%
Phosphorus	1782mg	713mg	255%	102%
Magnesium	805mg	322mg	215%	86%

HEMP SEED PROTEIN POWDER

Iron	14mg	6mg	100%	41%
Zinc	11mg	5mg	110%	45%
Copper	1.9mg	0.8mg	193%	77%
Manganese	12.0mg	4.9mg	600%	245%
Thiamine (B1)	0.5mg	0.2mg	43%	17%
Niacin (B3)	39.4mg	15.7mg	246%	98%
Pyridoxin (B6)	0.7mg	0.3mg	50%	20%
Vitamin D	<0.01mg			
Calcium	0.01mg			
Trans fat	0.0g	0.0g		
Cholesterol	0.0g	0.0g		
Omega 9	1.9g	0.7g		
Omega 6	5.5g	2.2g		
Omega 3	1.5g	0.6g		
GLA	0.1g	0.0g		
LA	5.4g	2.2g		
SDA	0.4g	0.1g		
ALA	1.2g	0.5g		

Since this is a natural product, actual figures may vary.

¹ RI - Reference intake of an average adult (8 400 kJ/2 000 kcal).

² The salt content is exclusively due to the presence of naturally occurring sodium.

Amino acid Profile/ 100g (incl. essential amino acids)

Aspartic acid - 3.87g	Alanine - 3.03g	Tryptophan - 0.54g
Glutamic acid - 9.48g	Arginine - 5.62g	Isoleucine - 2.37g
Serine - 3.26g	Tyrosine - 1.84g	Phenylalanine - 2.54g
Histidine - 2.34g	Valine - 2.72g	Leucine - 3.76g
Glycine - 3.12g	Cystine - 0.92g	Lysine - 2.34g
Threonine - 1.97g	Methionine - 1.32g	

HEMP SEED PROTEIN POWDER**14. APPLICABLE NUTRITIONAL CLAIMS**

HIGH (nutrients)	Protein, Fibre, Omega 3, Potassium, Phosphorus, Magnesium, Iron, Zinc, Copper, Manganese, Vitamin B1, B3 & B6
LOW (nutrients)	Sugars

For details about the nutrition claims and conditions applying to them – please check the annex.