

# Product Specification

Hemp protein organic

---

## Accreditations

BIO/Organic as bulk and private label.

## Allergens

Allergen free - as per 2003/89/EC, Annex III a).

## Colour and appearance

Grey-green powder.

## Country of origin

Whole seeds from China, production in EU.

## Flavour and odour

Slightly nutty characteristics.

## Shelf Life

14 months from manufacture date in un-opened packaging. Extended shelf life to 18 months for products in vacuum packaging.

## Storage

Store at a dry and cool place away from heat or direct sunlight. Store at a temperature below 18 degrees Celsius.





## Nutrition Facts 100gr

<b>Energy</b>	341 kcal 1429 KJ
<b>Fat</b>	9,0 g
- Saturates	1,0 g
- Mono-unsaturated	1,0 g
- Poly-unsaturated	7,0 g
Omega 3	6,0 g
Omega 6	2,0 g
<b>Carbohydrates</b>	7,8 g
- Sugar	5,3 g
<b>Fibre</b>	20,0 g
<b>Protein</b>	50,0 g
<b>Salt</b>	0,21 g
<b>Ash</b>	7,6 g
<b>Vitamins</b>	
Vitamin A	4,8 IE
Vitamin E – α-Tocopherol	6,1 mg
Vitamin B1	1,0 mg
Vitamin B2	0,1 mg
Vitamin B3	2,3 mg
Vitamin B9	0,2 mg
<b>Minerals</b>	
Calcium	175,7 mg
Iron	17,2 mg
Magnesium	994,0 mg
Zinc	9,6 mg
Potassium	1200,0 mg



## Nutrition Facts 100gr

### Amino Acid

Alanine	2,1 g
Arginine	6,3 g
Aspartic Acid	5,2 g
Cystein + Cystine	0,88 g
Glutamic Acid	8,89 g
Glycine	2,2 g
Histidine	1,3 g
Hydroxyproline	<0,05 g
Isoleucine	1,9 g
Leucin	3,2 g
Lysine	1,9 g
Methionine	1,1 g
Ornithine	<0,01 g
Phenylalanine	2,3 g
Proline	1,9 g
Serine	2,5 g
Threonine	1,7 g
Tyrosine	1,9 g
Valine	2,4 g

## Microbiology

Total Viable Count**	300.000 CFU/g
Escherichia Coli	Absent (<10 CFU/g)
Yeast **	< 1000 CFU/g
Molds**	< 1000 CFU/g
Salmonella spp.	Not detectable in 25 g

\*\*) In accordance to the measurement uncertainty a diversion of max. 101 of the given specifications is reserved. Empirically the measurement uncertainty varies according to the sample matrix and the analyzed parameter.



## Technological/ Quality Aspects

Moisture	7-11 %
Peroxid Value	< 6 meq O <sub>2</sub> /kg oil
Acid Number (free fatty acids)	max. 4 mg KOH/g (max. 2 %)
Gluten	< 20 mg/kg
THC	< 10 ppm
Pesticides / Contaminants	in accordance to the Council regulation (EC) No 396/2005 and No 839/2008, (EC) No 1881/2006 and (EU) 165/2010, as well as to (EC) No 834/2007, (EC) No 889/2008 and to the BNN-Guidelines
Heavy Metals	in accordance to Council regulation (EC) No 1881/2006 and (EC) No 835/2011

\*) Association of Organic Processors, Wholesalers and Retailers