

Product Description

BIOPRO 20-L

Low fat moderately toasted soft soybean powder light

Product description: BIOPRO 20-L - low fat moderately toasted soft soybean powder light is manufactured from healthy, dehulled soybean, by a special hydrothermal treatment during which oil is extracted out and anti nutritious soybean factors are deactivated. Hydrothermal treatment of soybean, without usage of any chemical reagents, provides production of final products rich in high quality proteins and essential amino acids, soybean oil, lecithin, protective nutritious ingredients, minerals and vitamins soluble in fats.

Product code: 9695

Ingredients: soybean 100%

Organoleptic characteristics:

Appearance	Fine, homogenized powder
Color	Pale yellow
Smell	Neutral, characteristic
Taste	Pleasant, sweetish
Granulation	min.90% less than 0,16 mm
Water binding	1: 3-3,5

Amino acid composition:

Essential amino acids	Unit	Determined value
Lysine	%	3,13
Aspartate	%	5,72
Threonin	%	1,98
Serine	%	2,57
Tryptophan	%	0,67
Arginine	%	3,72
Proline	%	2,57
Glycine	%	2,10
Alanine	%	2,25
Valine	%	2,25
Cystine	%	0,36
Methionine	%	0,63
Isoleucine	%	2,32
Leucine	%	3,84
Glutamine	%	9,32
Tyrosine	%	1,62
Histidine	%	1,30
Phenilalanine	%	2,34

Mineral composition:

Minerals	Unit	Determined value
Phosphorus	mg/kg	6.800,00
Calcium	mg/kg	3.703,00
Sodium	mg/kg	35,43
Potassium	mg/kg	20.039,00
Magnesium	mg/kg	2.135,00
Iron	mg/kg	54,92
Zinc	mg/kg	41,56
Manganese	mg/kg	20,33
Copper	mg/kg	13,16
Selenium	mg/kg	<0,1
Cobalt	mg/kg	0,13

Toxic elements:

Toxic elements	Unit	Value allowed	Typical values
Cadmium	mg/kg	max 0,1	<0,05
Mercury	mg/kg	max 0,1	<0,02
Lead	mg/kg	max 0,2	<0,2
Arsenic	mg/kg	max 1,0	<0,1

MYCOTOXINS (µ/kg)

Aflatoxin B1 I total (B1+B2+G1+G2) <2,0

Chemical characteristics:

Composition	Unit	Limit values	Typical values
Protein * (N x 6,25)	%	min 45,00	52,00
Moisture	%	max 8,00	4,00
Fat *	%	max 9,00	6,00
Ash *	%	max 6,50	6,00
Fibre *	%	max 3,50	2,00
Carbohydrate	%	/	32,64
Protein dissolubility index (PDI)	%	/	> 60

* based on dry matter

Energy value (100g of product):

Parameter	Unit	Result
Energy value	KJ/kcal	1443/344
Fat	g	9,0
-of that saturated fatty acids	g	1,5
Carbon-hydrates	g	14,2
-of that sugar	g	7,8
Protein	g	48,4
Fiber	g	18,69
Salt	g	0,2

Microbiology:

Type of testing	Reference values	Testing method	
Aerobic mesophilic bacteria (CFU/g)	n=5 c=2 m=10 ⁴ M=10 ⁵	SRPS EN ISO 4833	D,C
Moulds and yeast (CFU/g)	n=5 c=1 m=10 ² M=10 ³	ISO/FDIS 21527-2	D,C
Enterobacteriaceae (CFU/g)	n=5 c=2 m=10 M=10 ²	SRPS ISO 21528-2	D,C
Sulfite-reducing bacteria (CFU/g)	n=5 c=1 m=10 ² M=10 ³	SRPS EN ISO 15213	D,C
Salmonella spp. (/25g)	Negative n=5 c=0	SRPS EN ISO 6579	D

Legend: D=Detection; C=Count

Results may vary due to the quality of raw material (soybean). Raw material is strictly controlled for genetical modification (< 0, 9 %).



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Usage: The product is for further processing, as one of the raw materials in the manufacture of confectionery products, meat industry, baking industry and as animal feed.

Storage and transport conditions: Keep in dry, cool place, safe from external influences.

Shelf life: 12 months in original packing.

Packaging: 25kg, double layer craft bags with intermediate PVC layer

Compliance with EU regulations:

Regulation- on materials and articles intended to come into contact with food and repealing (Regulation EC 1935/2004 of the European parliament and of the council of 27 October), Regulation- on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending (Regulation EC 396/2005. Modifications 178/2006, 260/2008, 299/2008, 212/2013), Regulation- setting maximum levels for certain contaminants in foodstuffs (Regulation EC 1881/2006. Modifications 1126/2007, 565/2008, 629/2008), Regulation- on good manufacturing practice for materials and articles intended to come into contact with food (Regulation EC 2023/2006 of 22 December 2006. Modification 282/2008), Regulation - on the provision of food information to consumers (Regulation EC 1169/2011 of the European Parliament and of the Council of 25 October 2011).

BSE/TSE statement: Product doesn't contain ingredients with animal origin.

Traceability: Established in all phases of production, storage and transportation of ingredient and final product.

Product safety status: Product is safe for labelled intended use. Safety Data Sheet available on request.



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Allergen status:

The product contains the following allergens:

(2000/13/EC, 2003/89/EC, 2006/142/EC, 2007/86/EC and any applicable changes in EU legislation)

ALERGEN	Present in the product as an ingredient		May contain traces due to cross-contamination	
Cereals containing gluten and products thereof		No		No
Crustaceans and products thereof		No		No
Eggs and products thereof		No		No
Fish and products thereof		No		No
Peanuts and products thereof		No		No
Soybeans and products thereof	Yes		Yes	
Milk and dairy products		No		No
Nuts and nut products		No		No
Celery and products thereof		No		No
Mustards and products thereof		No		No
Sesame and products thereof		No		No
Sulphur dioxide and sulphates at concentrations of more than 10mg/kg or 10mg/liter expressed as SO ₂ in the product		No		No
Molluscs (gastropods, bivalves, cephalopods) and products thereof		No		No
Lupin and products thereof		No		No

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