

Product Description

BIOPRO 20L

Light-Low fat moderately toasted soft soybean

Product description: BIOPRO 20L – Light-low fat moderately toasted soft soybean powder

This type of flour is produced from healthy, genetically nonmodified soybeans, which are crushed and dehulled. Through special heat treatment and toasting at desired temperatures, all anti-nutritional factors are drained, which increases the utilization of proteins. The oil is isolated by pressing process in a natural way, without extraction, so there is no danger from the presence of residual solvent. The product is significant because of the high nutritional and biological value.

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
Threonine	%	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

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

Chemical characteristics:

Composition	Unit	Limit values	Typical values
Protein * (N x 6,25)	%	min 45,00	50,00
Moisture	%	max 8,00	4,00
Fat *	%	max 9,00	8,00
Ash *	%	max 6,50	6,00
Fibre *	%	max 3,50	2,00
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	35,0
-of that sugar	g	7,8
Protein	g	48,4
Salt	g	<0,01

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
Moulds and yeast (CFU/g)	n=5 c=1 m=10 ² M=10 ³	ISO/FDIS 21527-2
Enterobacteriaceae (CFU/g)	n=5 c=2 m=10 M=10 ²	SRPS ISO 21528-2
Clostridium perfringens (CFU/g)	n=5 c=1 m=10 ² M=10 ³	SRPS EN ISO 7937
Salmonella spp. (/25g)	Negative n=5 c=0	SRPS EN ISO 6579
Bacillus cereus (CFU/g)	n=5 c=1 m=10 ³ M=10 ⁴	SRPS EN ISO 7932

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 and directives:

- Regulation (EC) No 852-2004 Hygiene of foodstuffs and amendments,
- Regulation (EC) No 1831-2003 Requirements for feed hygiene and amendments
- Regulation(EC) No 396/2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amendments
- Regulation(EC) No 1935/2004 of the European Parliament and of the council of 27 October 2004 on materials and articles intended to come into contact with food and amendments
- Regulation(EC) No 1829/2003 Genetically modified food and feed and amendments
- Regulation(EC) No 1831/2003 of 19 December 2003 setting maximum levels for certain contaminants in foodstuffs and amendments
- Regulation(EU) No 1169/2011 of the European Parliament and of the Council of 25 October 2011 on the provision of food information to consumers and amendments,
- Regulation (EC) No 1831/2003 of 19 December 2003 setting maximum levels for certain contaminants in foodstuffs and amendments,
- Regulation (EC) No 1924/2006 On nutrition and health claims made on foods and amendments
- Regulation (EC) No 609/2006 Catalogue of feed materials and amendments
- Directive 2002/32/EE of the European Parliament and of the Council of 7 May 2002 on undesirable substances in animal feed - Council statement and amendments

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 labeled 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)

ALLERGEN	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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