

Product Description

BIOPRO 21

Low fat completely toasted soft soybean powder

Product description: BIOPRO 21 - low fat completely toasted soft soybean powder 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: 1879

Ingredients: soybean 100%

Organoleptic characteristics:

Appearance	Fine, homogenized powder
Color	Yellow to dark 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

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 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	2,00
Fat *	%	max 9,00	6,00
Ash *	%	max 6,50	6,00
Fibre *	%	max 3,50	2,00
Urease activity	ΔpH	max 0,30	0,05-0,10
Energy value	kcal/KJ	/	407 kcal/1707 KJ
Carbohydrate	%	/	33,32
Protein dissolubility index (PDI)	%	/	10,51

* based on dry matter

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

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=2 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
Clostridium perfringens (CFU/g)	n=5 c=1 m=10 ² M=10 ³	SRPS EN ISO 7937	D,C
Salmonella spp. (/25g)	Negative n=5 c=0	SRPS EN ISO 6579	D
Bacillus cereus (CFU/g)	n=5 c=1 m=10 ³ M=10 ⁴	SRPS EN ISO 7932	D,C

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,



Head office - BANKOM DOO

Address: Boulevard Nikola Tesla 30a, 11080 Zemun, Serbia Telephone: +381 11 319 00 52 Fax +381 11 319 07 70 E-mail: office@bankom.rs
www.bankom.rs

Product Description

BIOPRO 21 **Low fat completely toasted soft soybean powder**

Usage: The product is for further processing, as one of the raw materials in the manufacture of confectionery products and pharmaceutical industries.

Storage and transport conditions: Store in dry, ventilated and cool place

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, 652/2014), 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.



Product Description

BIOPRO 21 **Low fat completely toasted soft soybean powder**

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	
	Yes	No	Yes	No
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

Legal notice: The information given in this document is completely accurate to the best of our knowledge. Producer doesn't assume any liability in connection with inadequate usage of product or production, storage and distribution of the final product. The information provided herein are only for informational purpose. The content of this document is subject to change without further notice. Contact us for the latest version of the document.



Head office - BANKOM DOO

Address: Boulevard Nikola Tesla 30a, 11080 Zemun, Serbia
Telephone: +381 11 319 00 52 Fax +381 11 319 07 70 E-mail: office@bankom.rs
www.bankom.rs