

Product Description

BIOPRO 32

Full fat enzyme active soft soybean powder

Product description: BIOPRO 32 - full fat enzyme active soft soybean powder is manufactured from healthy, dehulled soybean, by a particular process in which natural ratio of soy proteins is preserved, among with soybean oil, lecithin, minerals and vitamins soluble in fats. Enzyme active soybean powder is used for production of special kinds of breads, rolls and cookies. It can be used as an excellent whitener for various powders, due to activity of enzyme lipoxigenase. Biopro 32 increases dough volume, as well as it preserves the freshness of the product.

Product code: 5865

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

Amino acid composition:

Essential amino acids	Unit	Determined value
Lysine	%	2,09
Aspartate	%	4,67
Threonin	%	1,58
Serine	%	2,13
Tryptophan	%	0,57
Arginine	%	3,14
Proline	%	1,80
Glycine	%	3,32
Alanine	%	1,36
Valine	%	1,08
Cystine	%	0,34
Methionine	%	0,37
Isoleucine	%	1,91
Leucine	%	3,04
Glutamine	%	9,27
Tyrosine	%	1,81
Histidine	%	1,14
Phenilalanine	%	1,89

Mineral composition:

Minerals	Unit	Determined value
Phosphorus	mg/kg	5.500,00
Calcium	mg/kg	3.632,00
Sodium	mg/kg	314,10
Potassium	mg/kg	29.361,00
Magnesium	mg/kg	2.781,00
Iron	mg/kg	54,32
Zinc	mg/kg	23,79
Manganese	mg/kg	23,33
Copper	mg/kg	17,59
Selenium	mg/kg	15,04
Cobalt	mg/kg	0,017

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 38,00	41,00
Moisture	%	max 8,00	7,00
Fat *	%	min 18,00	25,00
Ash *	%	max 5,50	5,00
Fibre *	%	max 4,50	2,00
Carbohydrate	%	/	25,11
Protein dissolubility index (PDI)	%	/	88,05

* based on dry matter

Energy value (100g of product):

Parameter	Unit	Result
Energy value	KJ/kcal	1965/468
Fat	g	22,4
-of that saturated fatty acids	g	3,3
Carbon-hydrates	g	27,4
-of that sugar	g	6,3
Protein	g	39,4
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=2 m=10 ³ M=10 ⁴	ISO/FDIS 21527-2	D,C
Enterobacteriaceae (CFU/g)	n=5 c=2 m=10 ² M=10 ³	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, 9 %).



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Product Description

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Usage: Product intended for further processing as a feedstock in the manufacture of bakery additives and mix in bread baking industry.

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

Shelf life: 9 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

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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	
	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

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