

Product Description

BIOPRO 26

Low fat completely toasted hard soybean powder

Product description: BIOPRO 26 - low fat completely toasted hard 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: 9288

Ingredients: soybean 100%

Organoleptic characteristics:

| | |
|----------------------|----------------------------|
| Appearance | Fine, homogenized powder |
| Color | Uniform, dark cream |
| Smell | Neutral, characteristic |
| Taste | Pleasant, sweetish |
| Granulation | min.90% less than 0,250 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 0,1 | <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 | 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 |
| 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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Product Description

BIOPRO 26 **Low fat completely toasted hard soybean powder**

Usage: The product for further processing, as one of the raw materials in the manufacture of confectionery products, meat industry, baking industry, pharmaceutical industry, as well as raw materials in 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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