

**PRODUCT DATA SHEET**
**BIOPRO 15L**
**White soya flakes defatted moderately toasted**
**Product description:**

Biopro 15L-White soya flakes defatted moderately toasted is manufactured from healthy, genetically non-modified soybeans, which are crushed, dehulled, flaked and extracted. Through special heat treatment at desired temperatures all anti nutritional factors are drained, which increases the utilization of proteins.

**Product code:** 4 20003

**Ingredients:** 100% NON GMO soybeans

**Allergens:** Soya

**Shelf life:** 18 months in original packing

**Organoleptic characteristics:**

**Appearance:** Tiny flakes

**Color:** Pale yellow to yellow

**Smell:** Neutral, characteristic

**Taste:** Pleasant, sweetish

**Thickness :** 0,4-0,5mm

**Toxic elements:**

<b>Cadmium</b>	max 0,2 mg/kg
<b>Mercury</b>	max 0,1 mg/kg
<b>Lead</b>	max 0,2 mg/kg
<b>Arsenic</b>	max 1mg/kg

**Chemical characteristics:**

Parameter	Unit	Limit values	Typical values
Moisture	%	max 11	8
Protein	%	min 50	51
Fat	%	max 1	0,8
Cellulose	%	max 3,5	2
Ash	%	max 6,5	6
PDI	%	-	30
Urease activity	mgN/gmin	-	1,5

**Nutritional values:**

Parameter	Unit	Typical values
Fat	g	1,2
*of which saturated	g	0,1
Carbohydrates	g	34
*of which sugar	g	16
Protein	g	50
Salt	g	<0,1
Energy value	KJ/kcal	1500/350

**Microbiological characteristics:**

Parameter	Unit	Reference values	Testing method
Total plate count	cfu/g	n=5 c=2 m=10 <sup>4</sup> M=10 <sup>5</sup>	ISO 4833-1
Enterobacteriaceae	cfu/g	n=5 c=2 m=10 M=10 <sup>2</sup>	ISO 21528-2
Clostridium perfringens	cfu/g	n=5 c=1 m=10 M=10 <sup>2</sup>	ISO 7937
Yeast and mold	cfu/g	n=5 c=2 m=10 <sup>2</sup> M=10 <sup>3</sup>	ISO 21527-2
Bacillus cereus	cfu/g	n=5 c=2 m=10 <sup>3</sup> M=10 <sup>4</sup>	ISO 7932
Salmonella spp	25g	absence	ISO 6579
Listeria Monocytogenes	25g	absence	ISO 11290-1

*n*-number of sampled units constituting the sample

*c*-number of samples that can be between *m* and *M*

*m*-limit value-the result is satisfactory

*M*-maximum value- not to be exceeded by any of the sampled units

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Amino acid composition:		
Amino acids	Unit	Typical values
Alanine	%	2,21
Arginine	%	3,64
Asparate	%	5,91
Cystine	%	0,75
Glutamine	%	9,1
Glycine	%	2,17
Histidine	%	1,26
Isoleucine	%	2,28
Leucine	%	3,82
Lysine	%	3,19
Methionine	%	0,63
Phenilalanine	%	2,45
Prolin	%	2,75
Serine	%	2,72
Threonin	%	2,04
Tryptophan	%	0,68
Tyrosine	%	1,78
Valine	%	2,34

Mineral composition:		
Amino acids	Unit	Typical values
Calcium	mg/kg	241,00
Cobalt	mg/kg	0,13
Copper	mg/kg	4065
Iron	mg/kg	9,24
Magnesium	mg/kg	290,00
Manganese	mg/kg	3,018
Phosphorus	mg/kg	674,00
Potassium	mg/kg	2.384,00
Selenium	mcg/kg	1,7
Sodium	mg/kg	20,00
Zinc	mg/kg	2,46

Storage
Store in dry and cool place, protected from outside impacts

Packing
25kg -double layer craft bags with PVC layer Pallet: 750kg/900kg/1000kg

PRODUCT APPLICATION							
Confectionery industry	Households	Bakery industry	Catering	Dietetic and pharmaceutical	Meat industry	Pasta industry	Pharmacy

**Compliance with EU regulations:**

Regulation EC 1935/2004- on materials and articles intended to come in contact with food

Regulation EC 396/2005- on maximum residue levels of pesticides in or on food and feed of plant and animal origin

Regulation EC 1881/2006- setting maximum levels for certain contaminants in foodstuff

Regulation EC 2023/2006- on good manufacturing practice for materials and articles intended to come in contact with food

Regulation EC 1169/2011- on the provision of food information to consumers

Regulation EC 1829/2003- on genetically modified food and feed

*and all their ammendments*



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<b>STATEMENT OF ALLERGENS</b>				
<b>ALLERGEN</b>	<b>Present in product as ingredient</b>		<b>May contain traces due to the cross-contamination</b>	
	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Cereals containing gluten and products thereof	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Crustaceans and products thereof	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Eggs and products thereof	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Fish and products thereof	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Peanuts and products thereof	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
<b>Soybeans and products thereof</b>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Milk and products thereof, including lactose	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Nuts and products thereof	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Celery and products thereof	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Mustard and products thereof	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Sesame and product thereof	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
SO <sub>2</sub> and sulphites in concentrations higher than 10mg/kg or 10mg/l expressed in SO <sub>2</sub> in the final product	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Lupin and products thereof	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Mollusk and products thereof	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

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

**Legal notice:**

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