

	<b>Product data sheet</b> Lupine protein isolate, fresh	Page 1 von 3 PD 10102-00
Created: A. Harting/QM	Released: U. Jansen/DSC	Valid from: 2018/08/31

## Lupine protein isolate, fresh

**Item code: 10102**

### Product description

Protein fraction gained by aqueous extraction from seeds of the blue sweet lupine (*Lupinus angustifolius*).

- Acid at pH 4.5
- Average dry substance of 20 %

### Sensors

Color: beige to brownish  
Texture: viscous mass  
Smell: grain, typical  
Taste: neutral till grassy

### Microbiological specification

Aerobic mesophilic count	< 5 x 10 <sup>7</sup> CFU / g
Yeasts and mould	< 5 x 10 <sup>2</sup> CFU / g
Enterobacteriaceae	< 10 <sup>3</sup> CFU / g
E.coli	< 10 CFU / g
Salmonella	absent in 25 g
Listeria monocytogenes	< 10 <sup>2</sup> CFU / g
Coagulase positive staphylococci	< 10 <sup>2</sup> CFU / g

### Nutrition information per 100 g

Energy	320 kJ
Energy	75.6 kcal
Fat	0.6 g
- thereof saturated fatty acids	0.1 g
Carbohydrates	0.1 g
- thereof sugar	0.1 g
Fibres	0.88 g
Protein	19.2 g
Salt	0.42 g

### Nutritional information

Vegetarian Yes  
Vegan Yes  
Organic No

**Physico-chemical quality criteria**

Proteincontent	19 - 21 %
Dry matter	19 - 21 %
PH value	4.5
Water solubility	mixable, ca. 1.5 ml / g
Emulsifying	460 ml / g
Oil binding	2.8 ml / g
Alkaloids	0.04 mg / kg
Pesticides	not detectable

Minerals	Jodine	0.06 mg / kg
	Calcium	311 mg / kg
	Potassium	83 mg / kg
	Iron	21 mg / kg
	Copper	2.3 mg / kg
	Magnesium	76 mg / kg
	Manganese	6.3 mg / kg
	Phosphor	2300 mg / kg
	Zinc	5.5 mg / kg
	Chromium	< 0,01 mg / kg
	Fluor	25 mg / kg
	Sodium	0.17 mg / kg

Amino acids	Alanine	0.63 g / 100 g
	Arginine	2.25 g / 100 g
	Aspartic acid	2.00 g / 100 g
	Cysteine	0.24 g / 100 g
	Glutamic acid	4.59 g / 100 g
	Glycine	0.80 g / 100 g
	Histidine	0.51 g / 100 g
	Hydroproxylin	not detectable
	Isoleucine	0.85 g / 100 g
	Leucine	1.42 g / 100 g
	Lysin	0.85 g / 100 g
	Methionine	0.10 g / 100 g
	Ornithine	not detectable
	Phenylalanine	0.77 g / 100 g
	Proline	0.79 g / 100 g
	Serine	0.96 g / 100 g
	Threonine	0.64 g / 100 g
	Tyrosine	0.75 g / 100 g
Valine	0.74 g / 100 g	
Tryptophan	0.16 g / 100 g	

### Storage / EXP

Storage conditions: Unopened at max. + 8 °C

Remaining shelf life: 7 days

### Packaging

1000 l stainless steel IBC

ca. 10 kg in a blue PA / PE-Bag; Unit: 2 x ca. 10 kg in a blue PA / PE-Bag in a red E2-box

Shipping on H1-pallet

### Weights

	<b>IBC</b>	<b>PA/PE-Bag</b>
Volume / Piece	ca. 800.0 kg	ca. 10.0 kg
Net weight / Piece	ca. 800.0 kg	ca. 10.0 kg
Gross weight / Piece	ca. 909.0 kg	ca. 10.1 kg
Net weight packaging / Piece	109.0 kg	0.068 kg
Gross weight / Unit	-	22.14 kg
Net weight / Unit	-	ca. 20.0 kg
Gross weight / Pallet	No Pallet	553.4 kg
Net weight / Pallet	No Pallet	480.0 kg

### Pallet packing

	<b>IBC</b>	<b>PA/PE-Bag</b>
Layer	1	6
Units per layer	1	4
Units total	1	24
Piece total	1	48

### Size

	<b>IBC</b>	<b>PA/PE-Bag</b>
Unit (LxWxH)	100 x 100 x 182 cm	60 x 40 x 20 cm
Pallet (LxWxH)	120 x 100 x 198 cm	120 x 80 x 136 cm

### Allergenic statement

The product contains LUPINE corresponding to appendix 2 of the European Food Information Regulation No. 1169/2011.

### GMO-Clarification

It is confirmed that the product does not contain or consist of genetically modified organisms (GMOs) in accordance with Regulation (EC) 1829/2003 and (EC) 1830/2003. It also contains no ingredients that are made from GMOs.

### Other information

Tax rate	7 %
Country of origin	Germany