

	Product data sheet Lupine flakes, de-oiled (White Flakes)	Page 1 von 3 PD 10090-00
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Lupine flakes, de-oiled (White Flakes)

Item code: 10090

Product description

By peeling, flocculation and subsequent de-oiling obtained flakes from seeds of the blue sweet lupine (*Lupinus angustifolius*).

- De-oiled by overcritical carbon dioxide
- Moisture < 15 %

Sensors

Color: yellowish
Texture: hard flakes
Smell: grain, flour
Taste: grassy

Microbiological specification

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

Nutrition information per 100 g

Energy	1192 kJ
Energy	284 kcal
Fat	0.6 g
- thereof saturated fatty acids	0.2 g
Carbohydrates	13.0 g
- thereof sugar	3.6 g
Fibres	31.6 g
Protein	40.0 g
Salt	0.03 g

Nutritional information

Vegetarian Yes
Vegan Yes
Organic No

Physico-chemical quality criteria

Proteincontent	39 - 41 %
Dry matter	85 - 90 %
Ash	3.9 g / 100 g
Starch	16.7 g / 100 g
Water solubility	mixable, ca. 1.5 ml / g
Emulsifying	460 ml / g
Oil binding	2.8 ml / g
Alkaloids	0.07 mg / kg
Pesticides	not detectable

Minerals	Calcium	4800 mg / kg
	Potassium	12200 mg / kg
	Copper	17.2 mg / kg
	Magnesium	2600 mg / kg
	Manganese	79 mg / kg
	Phosphor	6500 mg / kg
	Zinc	35 mg / kg
	Sodium	1250 mg / kg

Amino acids	Alanine	1.37 g / 100 g
	Arginine	4.06 g / 100 g
	Aspartic acid	3.85 g / 100 g
	Cysteine	0.53 g / 100 g
	Glutamic acid	7.98 g / 100 g
	Glycine	1.67 g / 100 g
	Histidine	1.08 g / 100 g
	Hydroproxylin	< 0.05 g / 100 g
	Isoleucine	1.50 g / 100 g
	Leucine	2.67 g / 100 g
	Lysin	1.80 g / 100 g
	Methionine	0.28 g / 100 g
	Ornithine	< 0.01 g / 100 g
	Phenylalanine	1.51 g / 100 g
	Proline	1.52 g / 100 g
	Serine	1.94 g / 100 g
	Threonine	1.46 g / 100 g
Tyrosine	1.63 g / 100 g	
Valine	1.54 g / 100 g	
Tryptophan	0.39 g / 100 g	

Storage / EXP

Storage conditions: Unopened at under 20 °C and < 60 % RH
Remaining shelf life: 180 days

Packaging

Ca. 800 kg in a flexible intermediate bulk container (FIBC / Big Bag) with apron, underrun and loops for lifting. Shipping on wooden pallet.

Weights

Volume / Piece	ca. 800.0 kg
Net weight / Piece	ca. 800.0 kg
Gross weight / Piece	ca. 802.5 kg
Net weight packaging / Piece	2.5 kg
Gross weight / Unit	- kg
Net weight / Unit	- kg
Gross weight / Pallet	822.5 kg
Net weight / Pallet	800.0 kg

Pallet packing

Layer	-
Piece per layer	1
Piece total	1

Size

Piece (LxWxH)	114 x 113 x 170 cm
Pallet (LxWxH)	114 x 113 x 180 cm

Allergenic statement

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

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