



BP80F

Buntine Protein® Lupin Isolate, spray dried

Item Code:	(TBA)
Product description:	Spray dried, free flowing protein isolate food ingredient made from seeds of the legume Sweet Blue Lupin (<i>Angustifolios</i>).
Ingredient listing:	100% Lupin
Country of origin:	Made in Germany from 100% Sweet Blue Lupin

Sensory Analysis

Colour	pale beige to light yellow
Odour	clean, mild bean
Taste	neutral to mild legume flavour with no bitterness, creamy top note

Physio-chemical quality criteria

Protein	≥ 85 %
Dry matter	≥ 95 %
pH value	6.8-7.1
Gel strength	≥ 80 g
Protein solubility	≥ 80 %
Emulsifying capacity	≥ 60 %
Emulsifying stability	≥ 65 %

Microbiological Specification

Aerobic mesophilic count	< 10 ⁴ CFU/g
Yeasts and Mould	< 10 ² CFU/g
Bacillus cereus	< 5x10 ² CFU/g
Enterobacteriaceae	< 10 ² CFU/g
Escherichia coli	< 10 CFU/g
Salmonella	absent in 25 g
Listeria monocytogenes	absent in 25 g
Coagulase positive staphylococci	< 10 ² CFU/g

Treatment method

Spray drying

Quality Assurance Program

3rd Party Quality Certified by IFS Foods

GMO Statement

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.

Nutrition Information per 100g

Energy	1800 kJ / 430 kcal
Fat	8.1 g
– of which saturates	2.0 g
Carbohydrates	0.5 g
– of which sugars	0.1 g
Fibres	3.6 g
Protein	86.5 g
Sodium	789 mg

Additional Claims

Vegetarian	Yes
Vegan	Yes
Organic	No

Allergy Status

The product contains lupine corresponding to appendix 2 of the European Food Information Regulation No. 1169/2011. Check local regulations for labelling requirements.



Packaging	
Bag	15kg foil bags
Pallet	Type of pallet: wooden Euro, 1.2m x 1m Number of layers: 11 Bags per layer: 4 Bags per pallet: 44 Pallet pattern: interlocking Gross weight/pallet: 695kg Net weight/pallet: 660kg Stacked height: 2.1m
Container	10 pallets / 20 foot container (gross 6.95T, net 6.6T)

Transport/storage/remaining shelf life	
Transport	< 25 °C
Storage conditions	Unopened at < 25 °C and < 60 %
RH Shelf life in months	18

Amino Acid	g/100g
Alanine	3.23
Arginine	10.36
Aspartic acid	11.57
Glutamic acid	24.22
Glycine	4.03
Histidine	2.82
Hydroxyproline	0.04
Isoleucine	3.36
Leucine	6.86
Lysine	5.38
Methionine + Cysteine	2.35
Phenylalanine	3.63
Proline	4.03
Serine	5.78
Threonine	3.23
Tryptophan	0.68
Tyrosine	3.23
Valine	3.09