



LUPIN KERNEL FIBRE

Item Code:	(TBA)
Product description:	lupin kernel fibre made from the legume Sweet Blue Lupin (<i>Angustifolios</i>).
Ingredient listing:	100% Lupin kernel fibre
Country of origin:	Made in Germany from 100% Sweet Blue Lupin

Fibre is the perfect solution for consumers actively looking for food and drink that support a healthy, balanced diet. Lupin kernel fibres also have the ability to change textural, rheological, and sensorial characteristics of foods related to their physicochemical properties.

The largely insoluble lupin kernel fibre exhibits excellent techno-functional properties in terms of water and oil binding capacities, solubility indices, emulsion stabilities, and viscosity, which enable its use in different food formulations. Additionally, there are opportunities to significantly modify and customise techno functional properties through varying processing methodologies and particle sizes.

- Neutral colour, clean taste and ease-of-use
- Exceptional process and shelf stability
- Helps support digestive health
- Consumer friendly labelling - low fat, no cholesterol, low sodium, low digestible carbohydrate
- Helps reduce calories while maintaining texture and mouthfeel in reduced sugar/fat products

PRODUCT APPLICATIONS

- Bakery
- Confectionery
- Ice-cream
- Bars
- Dressings & Sauces
- Meal replacement
- Beverages
- Pasta & Noodles
- Snacks
- Cereal, coating mix
- Plant-based meats
- Sports Drink Powders

Techno-Functionality Criteria

Water binding capacity	6.71
Oil binding capacity g/g	2.07
Emulsion activity %	40
Emulsion stability %	40
Viscosity cP	25000
Bulk density g/cm ³	0.39
Fibre average length µm	216.78

Microbiological Specification

Total Viable Aerobic Count	< 10 ⁴ CFU/g
Coagulase Positive Staphylococci	< 10 ² CFU/g
Yeast and Mould	< 10 ² CFU/g
Bacillus cereus	< 10 ² CFU/g
Coliform Count	< 10 CFU/g
Salmonella	absent in 25 g

Sensory Analysis

Colour	Pale yellow
Texture	Fine flowing powder
Smell	Neutral
Taste	Neutral, slight cereal note

Nutrition Information

Energy	997 kJ/100g
Fat	2.7 g/100g
<i>Saturated fat</i>	0.6 g/10g
<i>Trans fat</i>	<01 g/100g
<i>Mono-unsaturated fat</i>	0.9 g/100g
<i>Poly-unsaturated fat</i>	1.2 g/100g
Moisture	9.4 g/100g
Carbohydrates	9.2 g/100g
Total Sugars	0.1 g/100g
Dietary Fibre	62.5 g/100g
Protein	14.2 g/100g
Sodium	459 mg/100g
Ash	2.0 g/100g

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.