



## ERBOTIN® GF

### Pea Protein Isolate Granulate

- pea protein isolate (≥ 80% protein)
- good flow properties
- neutral taste
- good binding properties in water and fat
- high protein supply
- isolated pea protein

**ERBOTIN® GF** - a highly functional pea protein isolate.

Isolated pea protein is a natural, vegetable raw material with high nutritional properties. It offers an extraordinary amino acids profile compared to whey protein. Therefore, it is a wholesome protein that is particularly suitable for vegetarians, vegans and those with allergy against lactose and gluten.

**ERBOTIN® GF** has a high concentration of branched-chain amino acids. These amino acids are important in preventing malnutrition, which can occur during a vegetarian or a vegan diet.

**ERBOTIN® GF** has excellent emulsifying and viscosity forming properties and is readily soluble in the desired stability and texture. Because of the excellent flow properties and dispersibility of the granulate, it is perfectly suited for powdered drinks and processes, where good flowability is needed.

**ERBOTIN® GF** is rich in essential amino acids and free of gluten, lactose, cholesterol and is 100% GMO-free. Thus, it is a nutritious raw material contributing to a healthy and balanced diet.

#### USES

The versatile raw material **ERBOTIN®** has multiple benefits in

- diet-products
- wholefood and baby food
- vegetarian and vegan products
- meat, fish and deli foods
- instant meals, soups and sauces
- pastries and breads
- and wine clarification (entirely vegetable)
- nutritional bars and snacks





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## ERBOTIN® GF

### Pea Protein Isolate Granulate

A natural food-grade pea protein isolate of 100% non-GMO US and Canadian yellow peas with an excellent amino acid profile.

<b>Origin:</b>	<i>Pisum sativum</i>	
<b>Physical Data:</b>	Flavour	bland
	Colour	oatmeal
	Particle Size	min 80 % < 95 mesh
	Density	ca. 0.4 kg/l
<b>Compositional Data:</b>	Loss on drying (at 130°C)	≤ 10.0 %
	Protein (dry base)	80.0 % min.
	Ash (dry base 550°C)	≤ 8.0 %
	pH (10% solution)	6.0 – 8.0
<b>Metals:</b>	Mercury	≤ 0.1 ppm
	Lead	< 0.5 ppm
	Cadmium	≤ 0.1 ppm
	Arsenic	≤ 0.5 ppm
<b>Microbiology:</b>	Total Plate Count (ISO Method or similar)	≤ 10,000/g
	E. Coli (ISO Method or similar)	≤ 10/g
	Salmonella (ISO Method or similar)	negative in 25 g
	Yeasts and Moulds (ISO Method or similar)	≤ 50/g
	Coliforms (ISO Method or similar)	≤ 30/g

The above analyses are merely typical guides and are not to be construed as being specifications. While the information contained herein is believed to be true, accurate and reliable to the best of our knowledge, no warranty as to accuracy, completeness or results is expressed or implied by such data.

**Ingredient Declaration:** Pea protein isolate, Protein Isolate, Vegetable Protein

**Shelf Life:** 2 years (dry and cool conditions)

**Packaging:** 20 kg multi-walled, kraft paper bags

### Applications

**Pea Protein** can be utilised in a wide range of foods and beverages where protein enrichment is required. **Pea Protein** is comprised of an excellent amino acid profile, and is absent in gluten, lactose, cholesterol and anti-nutritional factors.



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## ERBOTIN® GF

### Pea Protein Isolate Granulate

#### Typical Amino Acid Profile - g AA/100 g Protein

Aspartic Acid	10.6
Threonine*	3.94
Serine	5.60
Glutamic Acid	18.04
Proline	4.45
Cystine	0.22
Glycine	3.87
Alanine	3.82
Valine	4.34
Methionine*	0.82
Isoleucine*	4.50
Leucine*	8.92
Tyrosine	3.90
Phenylalanine*	5.24
Histidine	2.90
Lysine*	7.6
Arginine	10.5
Tryptophan*	0.74

\* Essential Amino Acids

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**Nutrition Facts** Per 100 g serving (typical, on dry basis)

Dry basis 96.0 g

Protein 85.5 g

**Carbohydrate** 3.0 g

Sugars (Mono- & Disaccharide) < 0.1 g

Fiber 1 g

**Fat** 4.5 g

Saturated 0.8 g

Monosaturated 0.8 g

Polyunsaturated 3.0 g

Cholesterol 0 mg

**Ash** 4.0 g

Sodium 0.9 g

Potassium 0.2 g

Calcium 0.05 g

Phosphorus 1.1 g

**Calories** 390 kcal/100 g

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## ALLERGENS DATA

AGENTS	Presence in the product	Presence in the processing line
Eggs and products thereof	-	-
Milk and dairy products	-	-
Fish and products thereof	-	-
Crustaceans and products thereof	-	-
Fruits	-	-
Legumes and products thereof	+	+
Cocoa	-	-
Yeast	-	-
Meat (beef, pork, chicken)	-	-
Soya and products thereof	-	-
Nuts and products thereof	-	-
Groundnut and products thereof	-	-
Other nuts	-	-
Sesame and products thereof	-	-
Mustard and products thereof	-	-
Molluscs and products thereof	-	-

AGENTS	Presence in the product	Presence in the processing line
Sorbates (E200/E203)	-	-
Benzoates (E210/E213)	-	-
Parabenes (E214/E219)	-	-
Gallates (E310/312)	-	-
BHA/BHT (E320/321)	-	-
Lactose	-	-
Saccharose	-	-
Lupin and products thereof	-	-
Celery and products thereof	-	-
Coriander	-	-
Carrot	-	-
Others umbellifers	-	-
Glutamate (E620/625)	-	-
Gelatine	-	-
Vanillin	-	-
Cinnamon	-	-
AZO COLORANTS (E102/E104/E110/E122/E123 / E124/ E129/E151)	-	-

AGENTS	Presence in the product	Presence in the processing line	Comments
Maize and products thereof	No	No	
Cereals containing gluten (Wheat) and products thereof	No	No	Isolated from pea. When tested with the best possible technology R5 Sandwich ELISA Kit and Morinaga, wheat gluten is < 20 ppm*
Fructose	No	No	
Sulphur dioxide and sulphites in concentration higher than 10 ppm	No	No	

N/A: not applicable

Presence: +

Absence: -

\* Rice Protein Isolate complies with EU regulation no. 1169/2011 Annex II.

## GMO-Statement

Rice Protein Isolate has not to be labelled according EU Regulation 1829/2003 and EU Regulation 1830/2003.

Amtsgericht Frankfurt am Main, HRB 43012  
Geschäftsführer: Dr. J. Parmentier, Dipl.-Ing. M. Parmentier