



GUSTAV PARMENTIER GmbH

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ERBOTIN® EXTRUDED

Textured Pea Protein Isolate MG and TG

ERBOTIN® Extruded – the best choice for meat replacement applications.

ERBOTIN® Extruded was specifically developed for meat replacement applications. Apart from this it can be used in cereal mixtures and protein bars. **ERBOTIN® Extruded** can absorb several times its own weight in water and can be seasoned as desired in this way. It is available in small (**TG**) and large granules (**MG**). **TG** can be used to replace hard meats, e.g. minced meat in Bolognese sauce and **MG** in meat loafs and burger patties.

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

ERBOTIN® Extruded 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

- meat replacement products
- cereal mixtures
- diet products and wholefood
- instant meals and soups
- nutritional bars and snacks





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SPECIFICATIONS

Origin:	<i>Pisum sativum</i>	
Physical Data:	Flavour	bland
	Colour	oatmeal
	Appearance	TG: small granules (0.3 – 0.7 cm) MG: large granules (0.4 – 0.8 cm)
	Density	TG: 290 g/l MG: 105 g/l
	Compositional Data:	Loss on drying (at 130°C)
	Protein	75.0% min.
	Ash (dry base 550°C)	≤ 8.0%
	pH (10% solution)	6.0 – 8.0
Metals:	Mercury	≤ 0.1 ppm
	Lead	≤ 1.0 ppm
	Cadmium	≤ 0.1 ppm
	Arsenic	≤ 0.5 ppm
Microbiology:	Total Plate Count (ISO Method or similar)	max. 10,000/g
	E. Coli (ISO Method or similar)	max. 10/ g
	Salmonella (ISO Method or similar)	negative in 25 g
	Yeasts and Moulds (ISO Method or similar)	max. 50/g
	Coliforms (ISO Method or similar)	max. 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 87%, Yellow Pea flour

Shelf Life: 12 months (dry and cool conditions)

Packaging: **TG:** 15 kg bags, 20 bags/ pallet
MG: 8 kg bags, 20 bags/ pallet



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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

Dry basis	95.0 g
<u>Protein</u>	75.0 g
<u>Carbohydrate</u>	10.5 g
Sugars (Mono- & Disaccharide)	0.2 g
Fiber	3.5 g
<u>Fat</u>	4.1 g
Saturated	0.7 g
Cholesterol	0 mg
<u>Salt</u>	2.2 g
<u>Calories</u>	377 kcal/100 g

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GMO-STATEMENT

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



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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
Maize and products thereof	No	No
Cereals containing gluten (Wheat) and products thereof	No	No
Fructose	No	No
Sulphur dioxide and sulphites in concentration higher than 10 ppm	No	No

N/A: not applicable

Presence: +

Absence: -

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