Peptan® F 2000 LD

Fish Collagen Peptides

Product description

Peptan® collagen peptides are food grade and of natural origin, used as bioactive ingredients in nutraceutical products. Peptan® excellent organoleptic properties and instant solubility make it easy to use in a wide range of health and nutritional applications including functional foods and beverages, bars and dietary supplements.

Physical and chemical characteristics, instant solubility (wetability and dispersibility), organoleptic properties and packaging are strictly controlled to meet Rousselot stringent standards.

Product characteristics

Standard parameters	Specifications	Test Method referenced (*)
Typical average Molecular Weight (Mw)	2000 Da	Rousselot
Protein Content	≥ 90%	Rousselot
Viscosity (20%, 25°C)	2.0 – 4.0 mPa.s	GME
pH	5.0 - 6.5	GME
Color	≤ 2.5 Helliges	Rousselot
Clarity	≤ 10 NTU	GME
Loss on drying	≤ 10 %	GME
Particle size	≥ 95% below 1000µm (18 mesh)	ASTM
	≤ 10% below 75µm (200 mesh)	ASTM
Bulk density	0.25 – 0.35 g/cm³	Rousselot
Residue limits		
Residue on ignition	≤ 2.0 %	GMIA
Arsenic	≤ 1.0 ppm	GME
Cadmium	≤ 0.5 ppm	GME
Chromium	≤ 10 ppm	GME
Copper	≤ 30 ppm	GME
Mercury	≤ 0.1 ppm	GME
Lead	≤ 3.0 ppm	GME
Zinc	≤ 50 ppm	GME
Sulfites (SO_2)	≤ 10 ppm	GME
Peroxides	≤ 10 ppm	Rousselot
Microbial limits		
Total aerobic microbial count	< 1000 CFU/g	GME
E. coli	Absence in 10g	GME
Salmonella	Absence in 25g	GME
Anaerobic sulfite-reducing spores	< 10 CFU/g	GME

(*) GME Gelatine Manufacturers of Europe - GMIA, Gelatin Manufacturers Institute of America

Improvement by nature

Rousselot

Labelling

Possible labelling: fish collagen peptides or fish hydrolyzed collagen.

Nutritional profile

Basic Nutrient	Typical Quantity for 100 g of product
Protein	90 g
Fat	0 g
Carbohydrate	0 g
Fibre	0 g
Sodium *converted to salt **	240 mg 0.6 g
Vitamins	0 mg
Minerals:	
Potassium	0 mg
Calcium	20 mg
Magnesium	0 mg
Energy	1530 kJ 360 kcal

* Sodium does not come from added salt but is a component of Peptan®

Amino-acids	Typical G AA/100g Protein
Alanine	9.5
Arginine	8.9
Aspartic acid	6.0
Glutamic acid	11.5
Glycine	21.2
Histidine*	1.1
Hydroxylysine	1.0
Hydroxyproline	10.1
Isoleucine*	1.1
Leucine*	2.7
Lysine*	3.4
Methionine*	1.4
Phenylalanine*	2.0
Proline	10.7
Serine	3.7
Threonine*	2.9
Tyrosine	0.3
Valine*	2.2

*** essential amino-acids**

Regulatory Status

Peptan® F 2000 LD fish collagen peptides complies with most international edible regulations in force at the date of issue of this datasheet, including the European Regulations (EC) N°853/2004 and N°2073/2005, and the European regulation (EC) N°629/2008 on contaminants (dietary supplements).

However, we recommend that the customer ensures that this product is in compliance with local regulation in force, particularly in the countries where the finished product is to be consumed.

Packaging

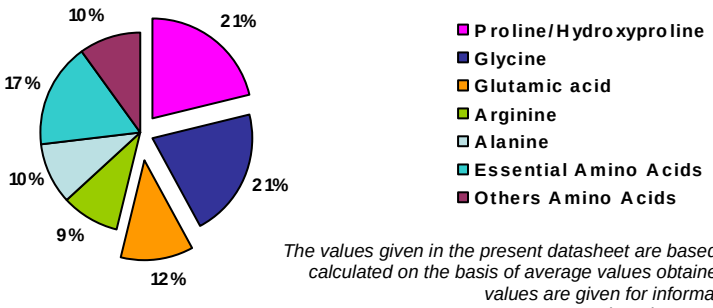
Bag weight : 15 kg

Storage and Shelf life

Store away from heat and moisture.

This product, when stored in the previously mentioned conditions and in its original unopened packaging, will maintain its initial properties for at least 5 years.

Typical breakdown of Amino-Acids in the collagen fraction:



The values given in the present datasheet are based on our best knowledge at the time of printing. They are calculated on the basis of average values obtained from own measurements or from the literature. These values are given for information only and are not to be considered as specifications. They do not constitute a guarantee as to the properties of the product.

Produced by:

Rousselot Angoulême S.A.S.

Rue de Saint Michel à Angoulême – 16000 Angoulême – France

Tel : + 33 (0)5 45 64 22 22 Fax : + 33 (0)5 45 64 22 23