

Hydrolysed Fish Gelatine

Fish Collagen peptide

Hydrolysed gelatin is obtained by the partial hydrolysis of fish skin gelatin.

Organoleptic Characteristic

Color: Light yellow

Appearance: Powder

Odor: Odorless

Specifications

Chemical-Physical Characteristics

Viscosity	2,0 +/- 1,0 mPa.s	ICQG301:20%, 60°C
SO ₂	< 50 ppm	ICQG302
H ₂ O ₂	< 10 ppm	ICQG302
pH	3,8 – 7,6	ICQG303:6,67%, 45°C
As	< 1 ppm	ICQG324: AAS – FIAS
Pb	< 5 ppm	ICQG322: AAS
Cd	< 0,5 ppm	ICQG322: AAS
Hg	< 0,15 ppm	ICQG324: AAS-FIAS
Cr	< 10 ppm	ICQG322: AAS
Cu	< 30 ppm	ICQG322: AAS
Zn	< 50 ppm	ICQG322: AAS
Proteic contents	> 90%	NTK N x 5.55
Lipidic contents	< 1,0 %	Extraction with ether

Microbiological Characteristics

Total aerobic count	< 1000 cfu/g	ICQG500: 30°C
E. coli	Neg/10g	ICQG507
Salmonella	Neg/25g	ICQG501
Anaerobic Spores	< 10 cfu/g	ICQG504

Packing

15 Kgs/Bag

Country

Italy

PRODUCT DESCRIPTION

High quality fish collagen peptide, odourless and tasteless, obtained from high quality fish skin gelatine.

Widely used in the preparation of energetic drinks without carbohydrates and fats, energetic bars and cosmetics. Thanks to its high purity it can substitute peptides of pig or bovine origin. Available with Halal and Kosher certificate.



PRODUCT CHARACTERISTICS

STANDARD PARAMETERS	SPECIFICATIONS
AVERAGE MOLECULAR WEIGHT	2.000 - 3.000 Da
PROTEIN CONTENT	> 94
pH	5,0-6,5
CLARITY	≤ 50 NTU
MOISTURE	< 8%

RESIDUE LIMITS	
ASH CONTENT	≤ 2%
ARSENIC	≤ 1.0 ppm
CADMIUM	≤ 0.5 ppm
CHROMIUM	≤ 10 ppm
COPPER	≤ 30 ppm
MERCURY	≤ 0,15 ppm
LEAD	≤ 5.0 ppm
ZINC	≤ 50 ppm
SULFITES (SO ₂)	≤ 10 ppm
PEROXIDES	≤ 10 ppm

MICROBIAL LIMITIS	
TOTAL BACTERIAL COUNT	< 1.000 CFU/G
E. COLI	Absence in 10 g
SALMONELLA	Absence in 25 g
SULPHITE-REDUCING ANAEROBIC SPORES	< 10 CFU/G

NUTRITIONAL VALUES

BASIC NUTRIENT	TYPICAL QUANTITY FOR 100 g OF PRODUCT
CALORIES:	
from Protein	360 Kcal
from Fat	0 Kcal
from Carbs	0 Kcal
Total	360 Kcal (1507 KJ)

AMINO-ACIDS	TYPICAL BREAKDOWN AS: AA/1000AA
Alanine	79.1
Arginine	99.5
Aspartic acid	32.9
Glutamic acid	66.8
Glycine	233.0
Histidine*	9.2
Hydroxyproline	105.8
Isoleucine*	14.8
Leucine*	31.3
Lysine*	42.3
Methionine*	16
Phenylalanine*	21.3
Proline	153.3
Serine	35.7
Threonine*	28.6

STORAGE AND SHELF LIFE

Goods are better stored in their original unopened packaging, at room temperature. The initial properties of the goods remain unaltered for at least 5 years if the storage conditions are observed.

TYPICAL BREAKDOWN OF AMINO-ACIDS IN THE COLLAGEN FRACTION:

