

TECHNICAL SPECIFICATIONS

DEFINITION	Functional Collagen Peptide. The product is obtained by the enzymatic hydrolysis of collagen derived from connective tissues of animal origin.
ORIGIN	Pigskin – EU and UK
CLASSIFICATION	GMO-free according to Regulation (EC) 1829/2003 concerning genetically modified food and feed products, according to Regulation (EC) 1830/2003 concerning the traceability of food and feed products produced from genetically modified organism and according to the Directive 2001/18/EC concerning the deliberate release into the environment of genetically modified organism, in their respective valid edition
REGULATION	Conform to European regulations 2004/852/EC, 2004/853/EC, 2005/2073/EC, 2007/1243/EC, 2016/355/EU
GLUTEN	Gluten free (< 20 ppm)
SHELF LIFE	5 years from the last analysis
STORAGE	In normal dry warehouse, at room temperature, far from direct sunlight
INGREDIENTS	100% Collagen of animal origin (pig) suitable for human consumption.
ADDITIVES	Without preservatives or colorants.
APPEARANCE	Light yellow powder (50 mesh), Specific weight 0,40-0,55 g/cm ³ .
ORGANOLEPTIC	Neutral taste and odor.
MOLECULAR WEIGHT	2000 - 5000 Da, according to GPC/SEC Method.

PHYSICAL CHARACTERISTICS

PARAMETERS	SPECIFICATION	ANALYTICAL METHOD
VISCOSITY	2.0 - 5.0 mPa.s	GME - 20 % at 25°C
LIMPIDITY (CLARITY)	< 30 NTU	GME
PH	5.0 - 7.0	Solution 6.67 %
ISOELECTRIC PH	7.0 - 9.5	Solution 1%

MICROBIOLOGICAL CHARACTERISTICS

PARAMETERS	SPECIFICATION	ANALYTICAL METHOD
TOTAL AEROBIC COUNT	< 1000 ufc/ g	GME
E. COLI	abs / 10 g	GME
SULPHITE REDUCING SPORES	< 10 ufc/ g	GME
SALMONELLA	abs / 25 g	GME
YEAST & MOULD	< 100 ufc/g	Sabouraud glucose agar

Product: COLLAGEN PEPTIDES "I'PERFORMANT" TYPE A

Issued on: 20/08/2020

S.T.-CPF-A

Rev: 00 - 20/08/2020

CHEMICAL CHARACTERISTICS

PARAMETERS	SPECIFICATION	ANALYTICAL METHOD
PROTEIN*	> 91%	Kjeldahl (NTK N x 5,55)
Protein (dry basis)	> 98%	
MOISTURE	< 7 %	GME - 24 hours at 105°C
ASH	< 2 %	GME - 18 hours at 550°C
SULPHUR DIOXIDE	< 10 mg/Kg	GME
HYDROGEN PEROXIDE	< 10 mg/Kg	GME
HEAVY METALS*	< 40 mg/Kg	ICP-MS
ARSENIC*	< 1 mg/Kg	ICP-MS
COPPER*	< 30 mg/Kg	ICP-MS
LEAD*	< 5 mg/Kg	ICP-MS
ZINC*	< 30 mg/Kg	ICP-MS
IRON*	< 30 mg/Kg	ICP-MS
MERCURY*	< 0.15 mg/Kg	ICP-MS
CADMIUM*	< 0.5 mg/Kg	ICP-MS
CHROME*	< 10 mg/Kg	ICP-MS

* periodic analysis by an accredited external laboratory.

AMINO ACID PROFILE**

per 100 g (as EU Method 152/2009).

Amino Acid	Technical Specifications
Alanine	9,61 ± 1,35 g
Arginine	8,36 ± 1,17 g
Aspartic Acid	5,75 ± 0,81 g
Glutamic Acid	10,30 ± 1,40 g
Glycine	26,50 ± 3,70 g
Histidine	0,71 ± 0,10 g
Hydroxy-Proline	11,50 ± 2,30 g
Isoleucine	1,21 ± 0,17 g
Leucine	2,92 ± 0,41 g
Lysine	3,64 ± 0,51 g
Methionine	0,78 ± 0,11 g
Ornithine	0,37 ± 0,08 g
Phenylalanine	2,04 ± 0,29 g
Proline	14,70 ± 2,10 g
Serine	3,12 ± 0,44 g
Threonine	1,81 ± 0,25 g
Tyrosine	0,42 ± 0,06 g
Valine	2,48 ± 0,35 g

NUTRITIONAL VALUES**

Per 100 g (as Reg. EU 1169/2011).

Parameter	Technical Specifications
Energy Value	1560 kJ - 370 kcal
Fats	< 0,5 g
of which Saturated	< 0,1 g
Carbohydrates	< 0,5 g
of which Sugars	< 0,5 g
Proteins	> 90 g
Salt	< 0,5 g

** analysis carried out by an accredited external laboratory.

PACKAGING: 15 kg multilayer paper bags, with an internal LDPE layer

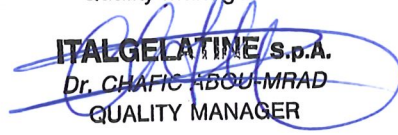
ISSUED BY

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