

Gelatin Peptone CM

PRODUCT DESCRIPTION

Gelatin Peptone CM is part of the Costantino animal base extract portfolio. Animal based products have been developed by Costantino along the years to deliver the perfect amino acid profile for all applications where protein content is required to be at the highest level. Purity and clarity of the products are the result of a continuous improvement in the selection and optimization of the best supply chain and a stable and capable process. Gelatin Peptone CM is the result of the skill of Costantino in the selection of pork gelatin source in combination with an hydrolysis able to deliver the optimized technical profile. Gelatin Peptone CM is then filtered and concentrated before spray drying to obtain the best clarity and purified product for these applications. Gelatin Peptone CM is so particularly efficient where a high protein content is required. It has a low level of hydrolysis to enhance molecular weight distribution. As many Costantino products customization of this product is available for eventual fine tuning of the chemical properties to fit the customers optimal needs.

SUGGESTED USE

CM series products are recommended for diagnostic and cell culture media applications where clarity is mandatory. Gelatin Peptone CM can be used in fermentation media and to support growth of non-fastidious microorganism.

STORAGE & SHELF LIFE

Hydrolysates are hygroscopic and can absorb odors. Temperatures below 30°C, relative humidity below 65%, and odor free environment are recommended.
Avoid direct sunlight.
Expiry date: 5 years from the date of manufacture in the original sealed packaging kept in a dry area, ideally between 8 and 30°C.

PACKAGING

The standard packaging is a 25 kg cardboard box which contains the product within an inner polyethylene liner bag. No staples or metallic fasteners are used:

- Custom packaging available.
- Delivered with Certificate of Analysis.

CERTIFICATIONS

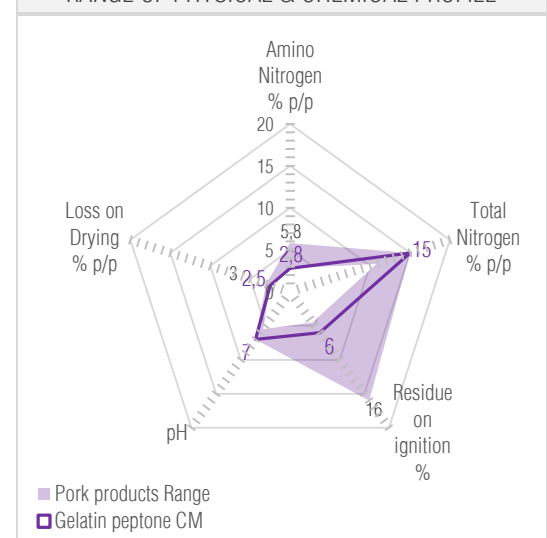


The information contained herein is based on internal testing performed at A.Costantino & C. S.p.A. and is to the best of our knowledge true and accurate at present time. All data represents typical analyses provided as a general guide and not to be taken for exact specifications. No warranty nor any liability, implied or otherwise, is assumed with them. Users are directed to perform their tests to determine suitability and performance for specific purposes. The information and results contained in this technical data sheet are susceptible to modification at any time, without warning.

TYPICAL PHYSICAL & CHEMICAL PROFILE

Product	TN (w/w)	AN (w/w)	pH
Meat Peptone BPC CM	14 - 16 %	3 - 3,5 %	6,8 - 7
Meat Peptone TO	12 - 13 %	3,0 - 4,2 %	5 - 6
Gelatin peptone CM	13 - 17 %	2,0 - 3,5 %	6,6 - 7,3
Pork Liver peptone CM	10,5 - 12,5 %	5 - 6,5 %	6,5 - 7,5
Brain Extract CM	9,5 - 12 %	3 - 5 %	6,5 - 7,5
Heart Extract CM	11,5 - 14 %	2,5 - 4,5 %	6,5 - 7,5
Brain Heart Extract	11 - 14 %	3 - 5 %	6,5 - 7,5

RANGE OF PHYSICAL & CHEMICAL PROFILE



AVAILABLE ON REQUEST

MICROBIOLOGICAL ANALYSIS

Total Bacterial Count	<i>Salmonella</i> spp
Bile-tolerant Gram-negative Bacteria	<i>S. aureus</i>
<i>E. coli</i>	Yeasts and Moulds

AMINOACID PROFILE

HYDROLYSIS PROFILE

Molecular Weights distribution	Average MW
Degree of hydrolysis	

OTHER ANALYSIS

Heavy Metals	Allergens
Carbohydrates	Fat
Salts and Ashes	Solubility