

## Technical Data Sheet

### M-Gredient® Casein Peptone A2

Pancreatically Digested, Prime, for Biotechnology and Microbiology

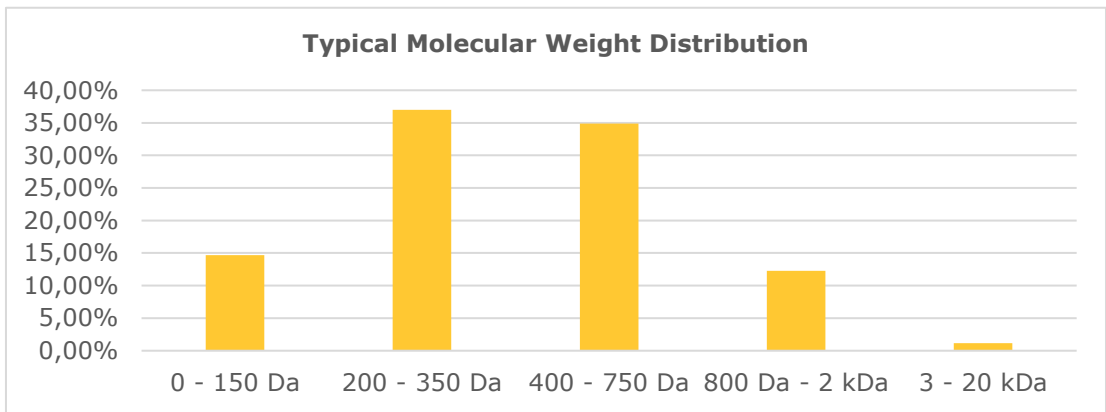
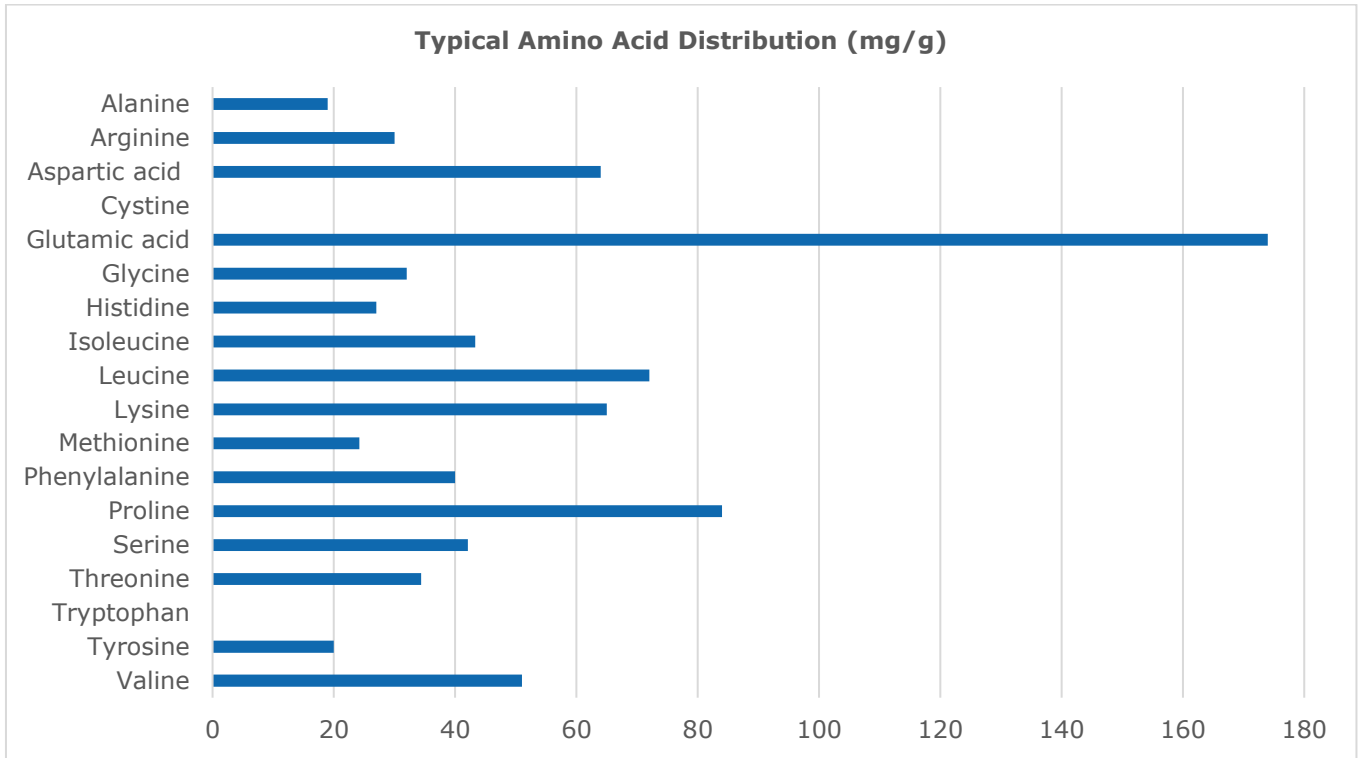
Article number: 102239

#### Description and Application

This peptone is obtained by pancreatic digestion of alimentary or food-grade bovine casein. The enzymes used are of porcine origin. Produced through a method aimed at removing inorganic salts, the peptone exhibits a high protein content and slightly acidic pH in solution. With a low ash content, it is suitable for culturing a diverse array of microorganisms, promoting the growth of various genera, including *Bacillus*, *Lactococci*, and several mesophilic or thermophilic *Actinomycetes*.

#### Product Characteristics

Specified in CoA	Appearance	Lightly yellow to lightly brownishyellow, fine powder. Characteristic, not rotten smell
	pH-value (5% water)	5.0 – 6.0
	Total nitrogen (N) (Kjeldahl)	13.8 – 15.8 %
	Amino nitrogen (as N)	4.7 – 6.7 %
	Sulfated ash (800 °C)	≤ 5.0 %
	Loss on drying (105 °C)	≤ 6.5 %
	Suitability for microbiology	Passes test
Typical values, not part of CoA specifications	Magnesium	<0.02%
	Calcium	<0.20%
	Chloride	0.3%
	Total Carbohydrate	0.4%



#### Ordering Information

Product	Cat. No.	Pack content
M-Gredient® Casein Peptone A2 Pancreatically Digested, Prime, for Biotechnology and Microbiology	1.02239.0500	500 g

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