MEAT PEPTONE (BOVINE)

Cat. No. 102 | MI-AC-715 | Version: 9
Date: 14/03/2025

BIOTECNICA
THE PEPTONE COMPANY

PRODUCT DESCRIPTION:

Meat Peptone (Bovine) is an enzymatic digest of animal tissue.

POTENCIAL APPLICATIONS:

It can be incorporated into a variety of liquid and solid culture media formulations for the cultivation of fastidious and non-fastidious microorganisms.

PHYSICAL CHARACTERISTICS:

Fine powder, beige to light brown colored and no foreign particles.

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 3,40%	3.70%
Total Nitrogen (TN)	Minimum 10,00%	12.30%
AN/TN	N/A	30.00
Loss on drying	Maximum 6,00%	2.70%
Ash	Maximum 15,00%	9.20%
pH (2% solution)	6,50 – 7,50	6.90

Microbiological Characteristics	Specifications
Standard plate count	Less than 5000 CFU/g
Yeasts and molds	Less than 100 CFU/g
Coliforms	Negative
Salmonella	Negative

Minerals	Typical Value
Calcium	0.072%
Magnesium	0.029%
Potassium	2.70%
Sodium	2.50%

Growth Supporting Properties: satisfactory (according to internal controls)	
Bacterial	ATCC
Escherichia coli	25922
Staphylococcus aureus	25923
Shigella flexneri	12022
Pseudomonas aeruginosa	27853
Enterococcus faecalis	29212
Streptococcus pyogenes	19615
Streptococcus pyogenes	49117
Streptococcus pneumoniae	6305

PACKAGING

The dry product is packaged in polyethylene bags into reinforced fiber board drums.
25 kg | 50 kg

STORAGE

Keep in original packaging closed, in a dry and cool place. Hygroscopic product.

RETEST

5 years after its manufacturing date.

CERTIFICATIONS

ISO 9001
SADER-SENASICA
EDQM

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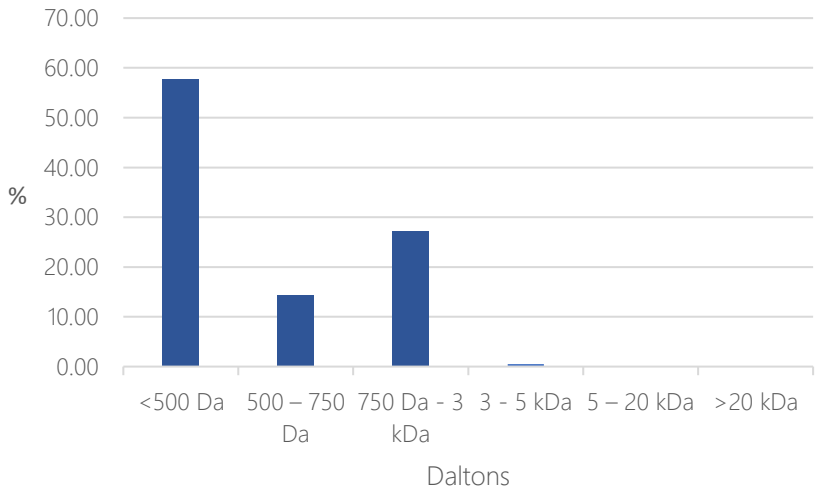
Molecular weight distribution	%
<500 Da	57.80
500 – 750 Da	14.30
750 Da - 3 kDa	27.30
3 - 5 kDa	0.50
5 – 20 kDa	0.10
>20 kDa	0.00
Average Molecular Weight Da	148.00

MOLECULAR WEIGHT DISTRIBUTION



Amino acid	g/100g
Glutamic acid	11.62
Glycine	8.37
Proline	6.29
Alanine	5.62
Aspartic acid	5.61
Leucine	4.50
Lysine	4.30
Arginine	4.08
Valine	3.50
Serine	2.95
Isoleucine	2.63
Phenylalanine	2.61
Threonine	2.46
Histidine	1.31
Tyrosine	1.11
Methionine	0.85
Tryptophan	0.59
Cystine	0.37