BACTERIOLOGICAL PEPTONE TYPE II

Cat. No. 390 | MI-AC-758 | Version: 2
Date: 14/03/2025

BIOTECNICA
THE PEPTONE COMPANY

PRODUCT DESCRIPTION:

Bacteriological Peptone type II is a very nutritious peptone with a wide range of polypeptides produced by enzymatic digestion of animal tissues.

POTENCIAL APPLICATIONS:

This product is used in culture media for routine diagnostic and research bacteriology. In industry is used to produce antibiotics, vaccines and other biological products.

PHYSICAL CHARACTERISTICS:

Fine powder, cream to yellow colored and no foreign particles.

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 2,60%	3,75%
Total Nitrogen (TN)	Minimum 12,00%	12,86%
AN/TN	N/A	29,16
Loss on drying	Maximum 6,00%	4,34%
Ash	Maximum 15,00%	6,90%
pH (2% solution)	6,50 – 7,50	7,04

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

Growth Supporting Properties: satisfactory (according to internal controls)	
Bacterial	ATCC
Escherichia coli	25922
Staphylococcus aureus	25923
Shigella flexneri	12022
Pseudomona 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.

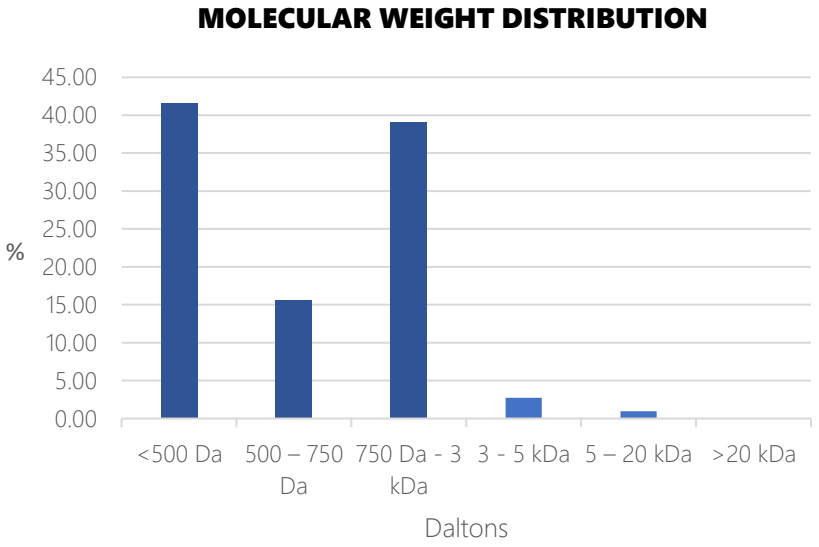
RETEST

5 years after its manufacturing date.

CERTIFICATIONS

ISO 9001
SADER-SENASICA

Molecular weight distribution	%
<500 Da	41.60
500 – 750 Da	15.60
750 Da - 3 kDa	39.10
3 - 5 kDa	2.75
5 – 20 kDa	0.95
>20 kDa	0.00
Average Molecular Weight Da	425.50



Amino acid	g/100g
Glycine	19.56
Proline	11.36
Glutamic acid	9.87
Alanine	8.28
Arginine	7.36
Aspartic acid	6.08
Lysine	3.57
Serina	3.39
Leucine	3.29
Valina	2.37
Phenylalanine	2.06
Threonine	1.94
Isoleucine	1.44
Histidine	0.84
Methionine	0.77
Tyrosine	0.76
Cystine	0.13
Tryptophan	0.05