PROTEOSE PEPTONE Nº 3

Cat. No. 131 | MI-AC-722 | Version: 8
Date: 14/03/2025

BIOTECNICA
THE PEPTONE COMPANY

PRODUCT DESCRIPTION:

Proteose Peptone Nº 3 is a high quality hydrolysate produced by enzymatic digestion of animal tissues.

POTENCIAL APPLICATIONS:

It is widely used in culture media and has been used extensively in the manufacture of toxins, vaccines, enzymes 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 3,40%	4.35%
Total Nitrogen (TN)	Minimum 10,00%	12.42%
AN/TN	N/A	35.02
Loss on drying	Maximum 6,00%	3.20%
Ash	Maximum 10,00%	8.20%
pH (2% solution)	6,50 – 7,50	6.80

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	0.024%
Magnesium	0.02%
Potassium	2.2%
Sodium	2.4%

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

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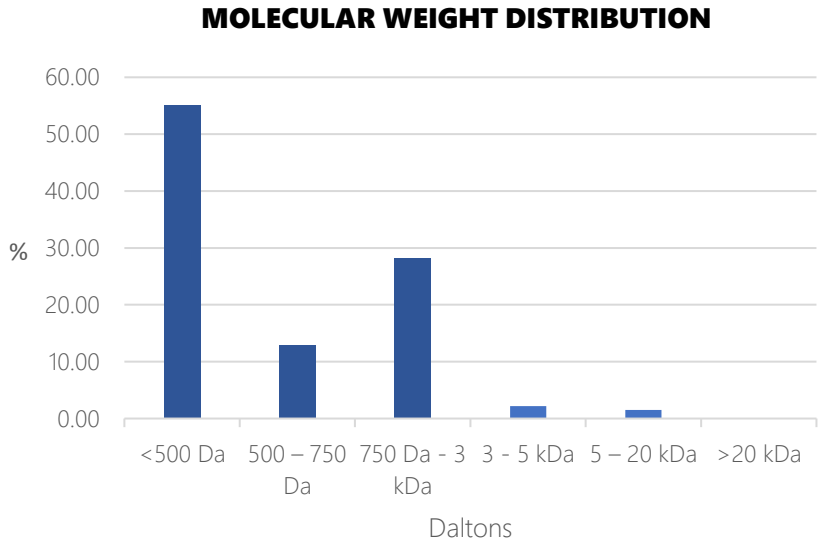
Molecular weight distribution	%
<500 Da	55.20
500 – 750 Da	12.90
750 Da - 3 kDa	28.20
3 - 5 kDa	2.20
5 – 20 kDa	1.50
>20 kDa	0.00
Average Molecular Weight Da	142.00



Amino acid	g/100g
Glutamic acid	16.14
Proline	6.95
Aspartic acid	6.69
Leucine	6.50
Lysine	5.95
Valine	4.89
Serine	4.30
Isoleucine	3.83
Threonine	3.47
Phenylalanine	3.56
Alanine	3.48
Arginine	3.29
Glycine	2.90
Histidine	1.99
Methionine	1.77
Tyrosine	1.58
Tryptophan	0.95
Cystine	0.47