

PRODUCT DESCRIPTION:

Proteose Peptone is an enzymatic digestion of animal tissues.

POTENCIAL APPLICATIONS:

It is commonly used in the preparation of culture media for the production of toxins and is utilized in the fermentation industry for starter cultures. It is a highly nutritious source for the growth of a wide range of microorganisms.

PHYSICAL CHARACTERISTICS:

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

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 3,00%	4.30%
Total Nitrogen (TN)	Minimum 10,00%	12.57%
AN/TN	N/A	34.20
Loss on drying	Maximum 6,00%	3.00%
Ash	Maximum 15,00%	7.80%
pH (2% solution)	6,50 – 7,50	6.70

Microbiological Characteristics	Specifications	Minerals	Typical Value
Standard plate count	Less than 5000 CFU/g	Calcium	0.024%
Yeasts and molds	Less than 100 CFU/g	Magnesium	0.023%
Coliforms	Negative	Potassium	1.4%
Salmonella	Negative	Sodium	2.7%

Growth Supporting Properties: satisfactory (according to internal controls)

Bacterial	ATCC
<i>Escherichia coli</i>	25922
<i>Staphylococcus aureus</i>	25923
<i>Shigella flexneri</i>	12022
<i>Pseudomonas aeruginosa</i>	27853
<i>Enterococcus faecalis</i>	29212
<i>Streptococcus pyogenes</i>	19615
<i>Streptococcus pyogenes</i>	49117
<i>Streptococcus pneumoniae</i>	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.

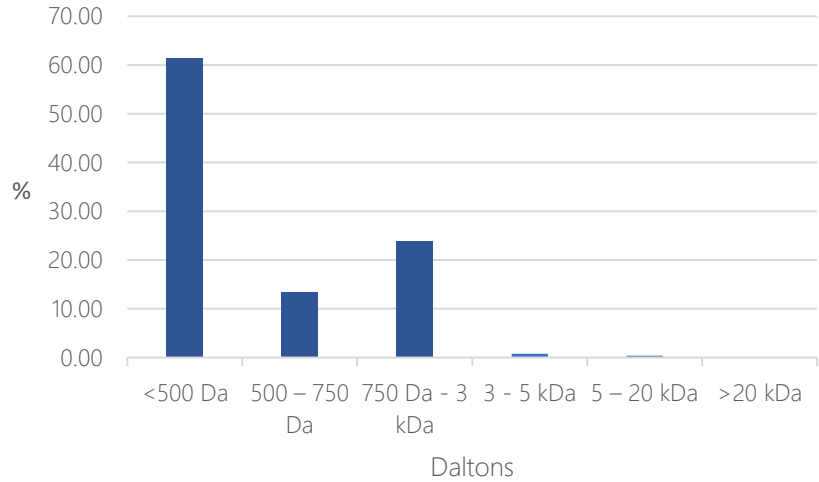
CERTIFICATIONS

ISO 9001
 SADER-SENASICA
 EDQM

Molecular weight distribution %

<500 Da	61.50
500 – 750 Da	13.50
750 Da - 3 kDa	23.80
3 - 5 kDa	0.80
5 – 20 kDa	0.40
>20 kDa	0.00
Average Molecular Weight Da	137.00

MOLECULAR WEIGHT DISTRIBUTION



Amino acid g/100g

Glutamic acid	15.51
Proline	7.11
Leucine	6.68
Aspartic acid	6.50
Lysine	5.81
Valine	4.82
Serine	4.30
Isoleucine	3.66
Arginine	3.54
Phenylalanine	3.53
Alanine	3.49
Threonine	3.46
Glycine	3.41
Histidine	1.98
Methionine	1.64
Tyrosine	1.59
Tryptophan	0.80
Cystine	0.38

Amino acid Profile

