

PRODUCT DESCRIPTION:

Casein Peptone Type III is a pancreatic digest of casein containing all the amino acids found in casein as well as larger peptide fractions.

POTENCIAL APPLICATIONS:

Its unique properties of digestion and high phosphate content make it the hydrolysates of choice of many organisms.

PHYSICAL CHARACTERISTICS:

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

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 3,90%	4.00%
Total Nitrogen (TN)	Minimum 10,00%	13.20%
AN/TN	N/A	30.00
Loss on drying	Maximum 6,00%	3.20%
Ash	Maximum 15,00%	8.00%
pH (2% solution)	6,50 – 7,50	7.10

Microbiological Characteristics	Specifications	Minerals	Typical Value
Standard plate count	Less than 5000 CFU/g	Calcium	0.0185%
Yeasts and molds	Less than 100 CFU/g	Magnesium	0.009%
Coliforms	Negative	Potassium	0.60%
Salmonella	Negative	Sodium	3.50%

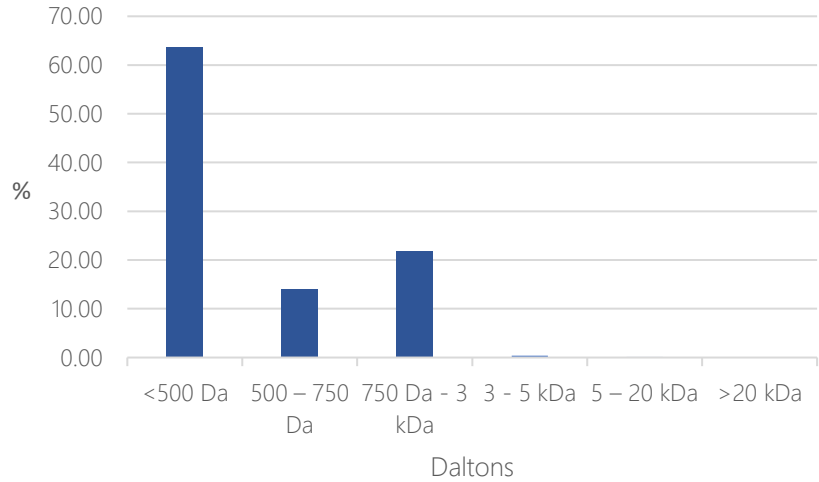
Growth Supporting Properties: satisfactory (according to internal controls)	
Bacterial	ATCC
<i>Escherichia coli</i>	25922
<i>Staphylococcus aureus</i>	25923
<i>Shigella flexneri</i>	12022
<i>Pseudomonas aeruginosa</i>	27853
<i>Enterococcus faecalis</i>	29212
<i>Streptococcus pyogenes</i>	19615
<i>Streptococcus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

PACKAGING	STORAGE	RETEST	CERTIFICATIONS
The dry product is packaged in polyethylene bags into reinforced fiber board drums. 25 kg 50 kg	Keep in original packaging closed, in a dry and cool place. Hygroscopic product.	5 years after its manufacturing date.	ISO 9001 SADER-SENASICA

Molecular weight distribution %

<500 Da	63.60
500 – 750 Da	14.00
750 Da - 3 kDa	21.90
3 - 5 kDa	0.40
5 – 20 kDa	0.10
>20 kDa	0.00
Average Molecular Weight Da	133.00

MOLECULAR WEIGHT DISTRIBUTION



Amino acid g/100g

Glutamic acid	16.63
Proline	8.01
Leucine	7.43
Lysine	6.69
Aspartic acid	5.88
Valine	5.18
Isoleucine	4.49
Phenylalanine	3.89
Arginine	3.56
Threonine	2.82
Alanine	2.71
Serine	2.53
Methionine	2.23
Histidine	2.22
Glycine	1.85
Tyrosine	1.66
Tryptophan	0.82
Cystine	0.36

Amino acid Profile

