

**PRODUCT DESCRIPTION:**

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

**POTENCIAL APPLICATIONS:**

It is an excellent nutrient for use in culture media for producing antibiotics, toxins, enzymes and other biological products. This product is widely used in the pharmaceutical and veterinary industries and in diagnostic culture

**PHYSICAL CHARACTERISTICS:**

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

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 3,90%	4.20%
Total Nitrogen (TN)	Minimum 10,00%	13.13%
AN/TN	N/A	32.00
Loss on drying	Maximum 6,00%	3.30%
Ash	Maximum 15,00%	6.00%
pH (2% solution)	6,50 – 7,50	6.80

Microbiological Characteristics	Specifications	Minerals	Typical Value
Standard plate count	Less than 5000 CFU/g	Calcium	0.019%
Yeasts and molds	Less than 100 CFU/g	Magnesium	0.0079%
Coliforms	Negative	Potassium	1.3%
Salmonella	Negative	Sodium	2.1%

**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**

4 years after its manufacturing date.

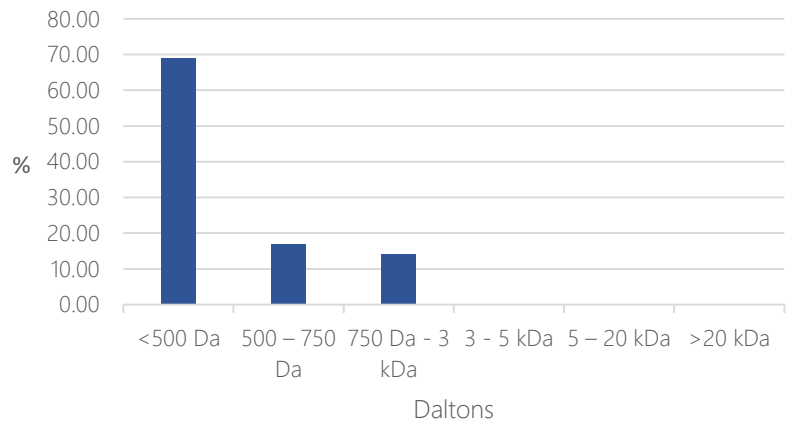
**CERTIFICATIONS**

ISO 9001  
 SADER-SENASICA

**Molecular weight distribution %**

<500 Da	69.00
500 – 750 Da	16.80
750 Da - 3 kDa	14.20
3 - 5 kDa	0.00
5 – 20 kDa	0.00
>20 kDa	0.00
Average Molecular Weight Da	265.00

**MOLECULAR WEIGHT DISTRIBUTION**



**Amino acid g/100g**

Glutamic acid	18.74
Proline	8.65
Leucine	7.62
Aspartic acid	6.99
Lysine	6.60
Valine	5.51
Serine	5.08
Isoleucine	4.45
Phenylalanine	4.11
Threonine	3.91
Arginine	3.30
Alanine	2.91
Histidine	2.38
Methionine	2.32
Glycine	1.86
Tyrosine	1.86
Tryptophan	0.95
Cystine	0.44

**Amino acid Profile**

