

**PRODUCT DESCRIPTION:**

Casein Peptone Type II is a pancreatic digest of casein.

**POTENCIAL APPLICATIONS:**

It can be used in the manufacture of toxins, vaccines, enzymes and microbiological culture media, especially in blood-containing media.

**PHYSICAL CHARACTERISTICS:**

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

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 3,90%	4,20%
Total Nitrogen (TN)	Minimum 10,00%	13,49%
AN/TN	N/A	31,10
Loss on drying	Maximum 6,00%	3,30%
Ash	Maximum 15,00%	6,40%
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	0,0057%
Coliforms	Negative	Potassium	0,86%
Salmonella	Negative	Sodium	2,20%

**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.

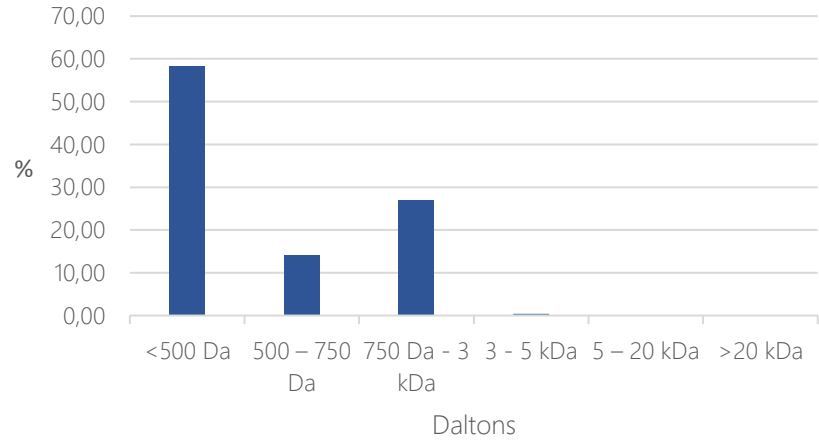
**CERTIFICATIONS**

ISO 9001  
 SADER-SENASICA

**Molecular weight distribution %**

<500 Da	58,30
500 – 750 Da	14,20
750 Da - 3 kDa	27,00
3 - 5 kDa	0,40
5 – 20 kDa	0,10
>20 kDa	0,00
Average Molecular Weight Da	148,00

**MOLECULAR WEIGHT DISTRIBUTION**



**Amino acid g/100g**

Glutamic acid	19,23
Proline	9,11
Leucine	7,70
Aspartic acid	6,99
Lysine	6,73
Valine	5,59
Serine	5,14
Isoleucine	4,52
Phenylalanine	4,18
Threonine	3,95
Arginine	3,29
Alanine	2,74
Methionine	2,45
Histidine	2,44
Tyrosine	1,91
Glycine	1,73
Tryptophan	1,00
Cystine	0,49

**Amino acid Profile**

