

**PRODUCT DESCRIPTION:**

Proteose Peptone N° 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	Minerals	Typical Value
Standard plate count	Less than 5000 CFU/g	Calcium	0,024%
Yeasts and molds	Less than 100 CFU/g	Magnesium	0,02%
Coliforms	Negative	Potassium	2,2%
Salmonella	Negative	Sodium	2,4%

**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.

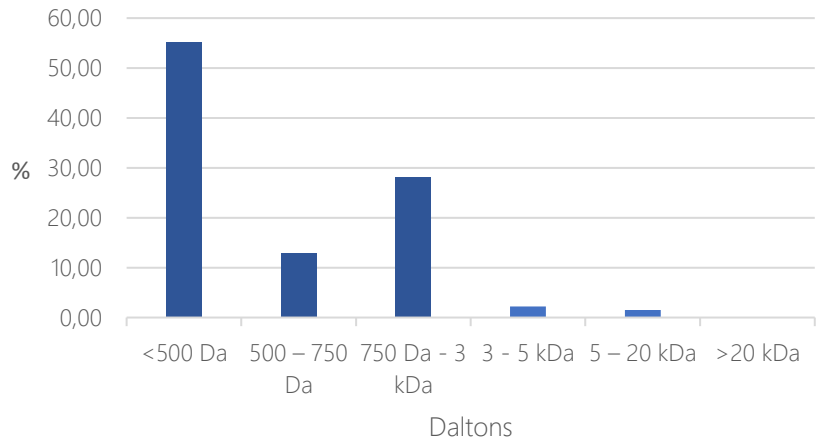
**CERTIFICATIONS**

ISO 9001  
 SADER-SENASICA

**Molecular weight distribution %**

<500 Da	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

**MOLECULAR WEIGHT DISTRIBUTION**



**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

**Amino acid Profile**

