

PRODUCT DESCRIPTION:

Casein Peptone Type VI is a pancreatic digest of casein. Is a highly soluble source of peptides and aminoacids.

POTENCIAL APPLICATIONS:

This product is widely used like casein for fermentation, in manufacture of toxins, vaccines, enzymes and other biological products. Also recommended for use as a microbial nutrient in laboratory media. The solution at 2% gives a clear solution without precipitation.

PHYSICAL CHARACTERISTICS:

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

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 5,30%	5.50%
Total Nitrogen (TN)	Minimum 11,90%	12.10%
AN/TN	N/A	45.40
Loss on drying	Maximum 6,00%	3.70%
Ash	Maximum 15,00%	7.00%
pH (2% solution)	7,00 – 7,20	7.10

Microbiological Characteristics	Specifications	Minerals	Typical Value
Standard plate count	Less than 5000 CFU/g	Calcium	0.027%
Yeasts and molds	Less than 100 CFU/g	Magnesium	0.0019%
Coliforms	Negative	Potassium	2.1%
Salmonella	Negative	Sodium	3.9%

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.

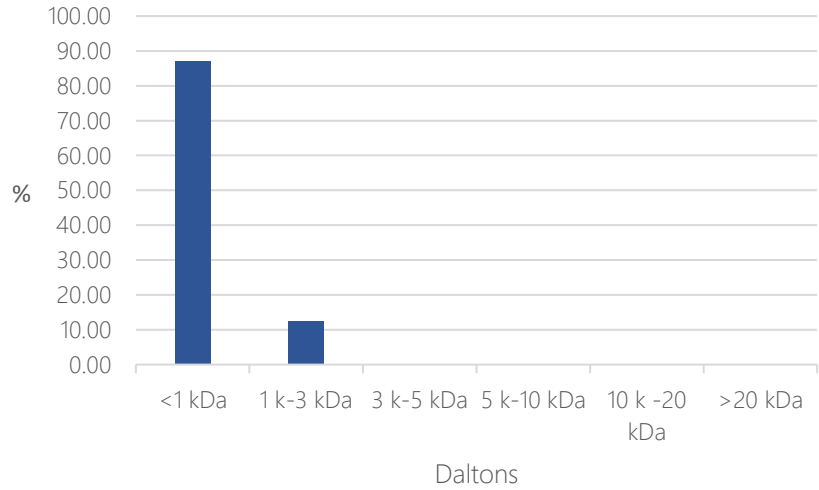
CERTIFICATIONS

ISO 9001
 SADER-SENASICA

Molecular weight distribution %

<1 kDa	87.20
1 k-3 kDa	12.60
3 k-5 kDa	0.20
5 k-10 kDa	0.00
10 k -20 kDa	0.00
>20 kDa	0.00
Average Molecular Weight Da	193.00

MOLECULAR WEIGHT DISTRIBUTION



Amino acid g/100g

Lysine	17.44
Glutamic acid	16.17
Proline	8.84
Threonine	7.32
Leucine	6.79
Aspartic acid	5.01
Valine	4.60
Isoleucine	3.97
Serine	3.83
Phenylalanine	3.60
Arginine	2.62
Alanine	2.19
Methionine	2.11
Histidine	2.04
Tyrosine	1.71
Glycine	1.37
Tryptophan	0.78
Cystine	0.43

Amino acid Profile

