

PRODUCT DESCRIPTION:

Soy peptone is a papaic/pancreatic digest of defatted soybean meal.

POTENCIAL APPLICATIONS:

It is used in culture media for the cultivation of a wide variety of microorganisms including bacteria and fungi. It is an excellent source of vitamins and carbohydrates.

PHYSICAL CHARACTERISTICS:

Fine powder, cream to yellow colored and no foreign particles.

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 2,20%	3.00%
Total Nitrogen (TN)	Minimum 7,00%	12.54%
AN/TN	N/A	23.90
Loss on drying	Maximum 6,00%	2.80%
Ash	Maximum 15,00%	8.70%
pH (2% solution)	6,50 – 7,50	6.80

Microbiological Characteristics	Specifications	Minerals	Typical Value
Standard plate count	Less than 5000 CFU/g	Calcium	0.026%
Yeasts and molds	Less than 100 CFU/g	Magnesium	0.012%
Coliforms	Negative	Potassium	1.5%
Salmonella	Negative	Sodium	3.0%

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.

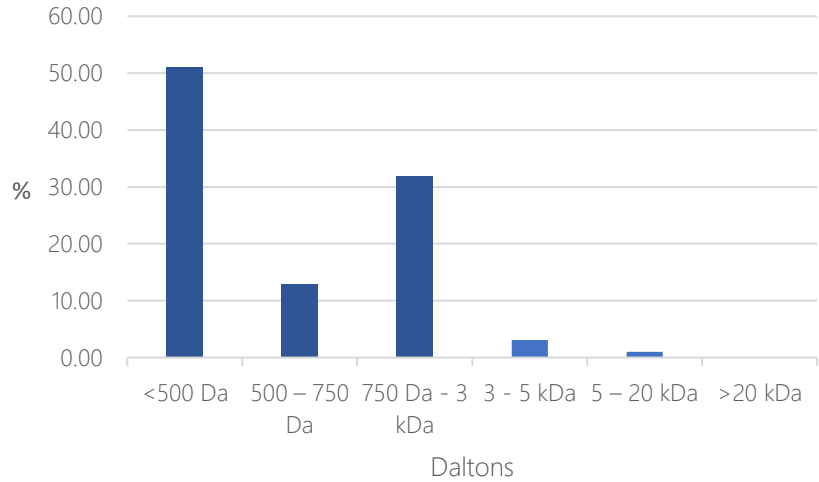
CERTIFICATIONS

ISO 9001
 SADER-SENASICA

Molecular weight distribution %

<500 Da	51.00
500 – 750 Da	13.00
750 Da - 3 kDa	31.90
3 - 5 kDa	3.10
5 – 20 kDa	1.00
>20 kDa	0.00
Average Molecular Weight Da	250.00

MOLECULAR WEIGHT DISTRIBUTION



Amino acid g/100g

Glycine	11.38
Glutamic acid	9.98
Proline	6.88
Aspartic acid	5.94
Alanine	4.73
Arginine	4.31
Lysine	3.08
Leucine	2.82
Serine	2.81
Valine	2.09
Phenylalanine	1.83
Threonine	1.78
Isoleucine	1.56
Tyrosine	1.06
Histidine	0.94
Methionine	0.73
Cystine	0.34
Tryptophan	0.19

Amino acid Profile

