

**PRODUCT DESCRIPTION:**

Lactalbumin Hidrolyosate is obtained by a pancreatic digest of lactalbumin and whey protein.

**POTENCIAL APPLICATIONS:**

Due to the high content of essential amino acids, it is used in microbiological and tissue culture media formulations.

**PHYSICAL CHARACTERISTICS:**

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

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 4,80%	5.30%
Total Nitrogen (TN)	Minimum 10,00%	12.40%
AN/TN	N/A	42.70
Loss on drying	Maximum 6,00%	4.40%
Ash	Maximum 15,00%	6.30%
pH (2% solution)	6,50 – 7,50	6.80

Microbiological Characteristics	Specifications	Minerals	Typical Value
Standard plate count	Less than 5000 CFU/g	Calcium	0.078%
Yeasts and molds	Less than 100 CFU/g	Magnesium	0.027%
Coliforms	Negative	Potassium	0.83%
Salmonella	Negative	Sodium	2.10%

**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.

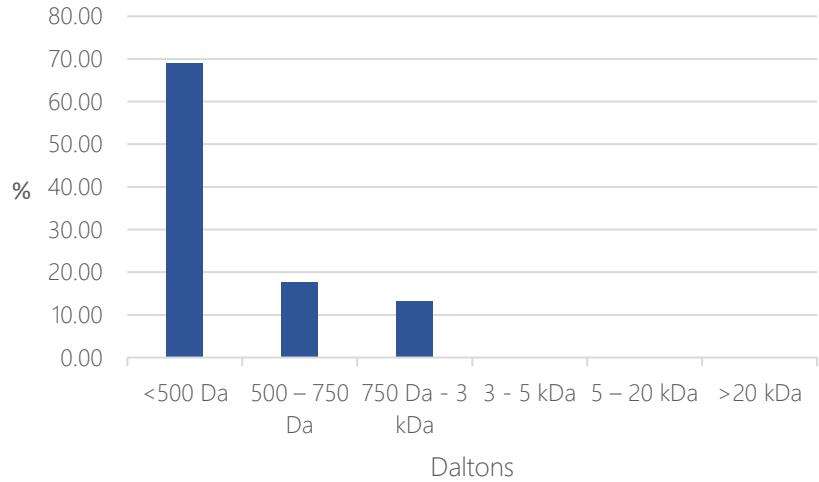
**CERTIFICATIONS**

ISO 9001  
 SADER-SENASICA

**Molecular weight distribution %**

<500 Da	69.00
500 – 750 Da	17.80
750 Da - 3 kDa	13.20
3 - 5 kDa	0.00
5 – 20 kDa	0.00
>20 kDa	0.00
Average Molecular Weight Da	291.00

**MOLECULAR WEIGHT DISTRIBUTION**



**Amino acid g/100g**

Glutamic acid	17.12
Aspartic acid	7.59
Proline	7.37
Lysine	6.68
Leucine	6.52
Valine	5.07
Serine	4.72
Threonine	4.58
Isoleucine	4.30
Alanine	3.20
Phenylalanine	3.08
Histidine	2.02
Glycine	1.83
Methionine	1.60
Arginine	1.36
Tryptophan	1.17
Tyrosine	0.97
Cystine	0.76

**Amino acid Profile**

