BIOTECNICA
THE PEPTONE COMPANY

EndoLow Casein Peptone

Cat. No. 395 | MI-AC-751 | Version: 1
Date: 03/06/2020

Low Endotoxin Level Peptones that improves cell density and protein production for eukaryotic and prokaryotic cell cultures in **BioPharma process.**

EndoLow PEPTONE

PRODUCT DESCRIPTION:

EndoLow Casein Peptone is a pancreatic digest of casein. The controlled manufacturing process ensures a low endotoxin content.

POTENCIAL APPLICATIONS:

It is a nutrient source that support requirements of cells culture. It can be used in tissue culture media, vaccines and antibodies production and a wide BioPharma process.

PHYSICAL CHARACTERISTICS:

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

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 3,90%	4.20%
Total Nitrogen (TN)	Minimum 10,00%	13.13%
AN/TN	N/A	32.00
Loss on drying	Maximum 6,00%	3.30%
Ash	Maximum 15,00%	6.00%
pH (2% solution)	6,50 – 7,50	6.80

Microbiological Characteristics	Specifications
Endotoxins	<0,200 EU/mg
Standard plate count	Less than 5000 CFU/g
Yeasts and molds	Less than 100 CFU/g
Coliforms	Negative
Salmonella	Negative

Minerals	Typical Value
Calcium	0.019%
Magnesium	0.0079%
Potassium	1.3%
Sodium	2.1%

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

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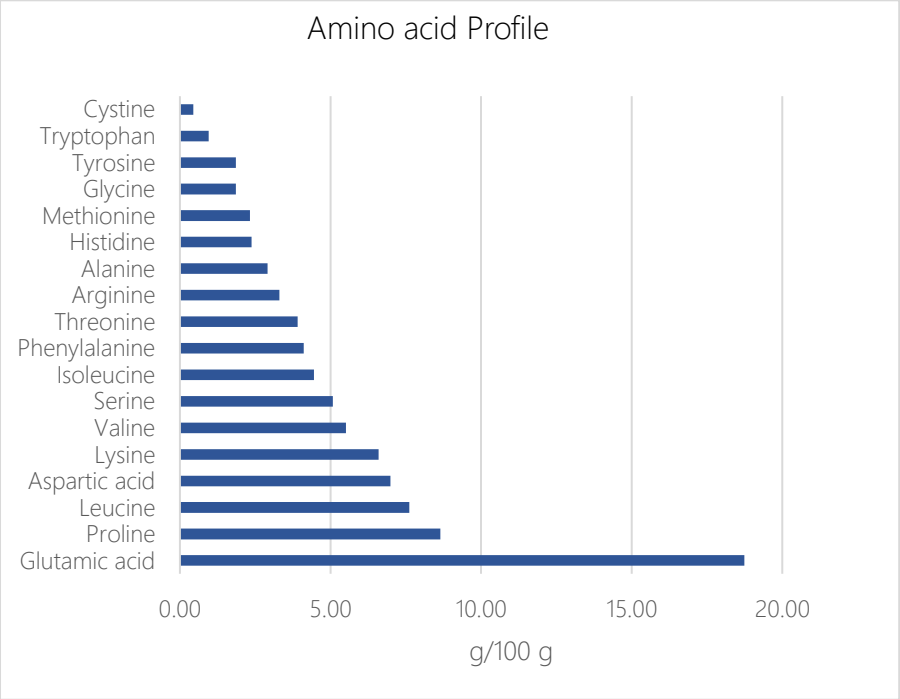
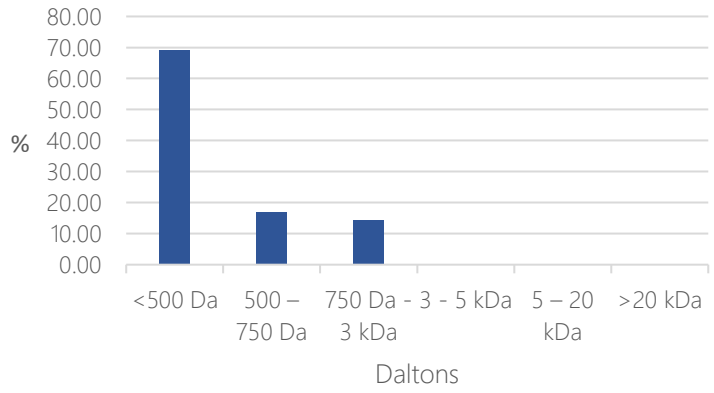
Amino acid	g/100g
Glutamic acid	18.74
Proline	8.65
Leucine	7.62
Aspartic acid	6.99
Lysine	6.60
Valine	5.51
Serine	5.08
Isoleucine	4.45
Phenylalanine	4.11
Threonine	3.91
Arginine	3.30
Alanine	2.91
Histidine	2.38
Methionine	2.32
Glycine	1.86
Tyrosine	1.86
Tryptophan	0.95
Cystine	0.44



MOLECULAR WEIGHT DISTRIBUTION



Molecular weight distribution	%
<500 Da	69.00
500 – 750 Da	16.80
750 Da - 3 kDa	14.20
3 - 5 kDa	0.00
5 – 20 kDa	0.00
>20 kDa	0.00
Average Molecular Weight Da	265.00