

LACTALBUMIN HYDROLYSATE

CAT. N°: 145

DESCRIPTION:

This peptone is obtained by a pancreatic digest of lactalbumin and whey protein. Due to the high content of essential amino acids, it is used in microbiological and tissue culture media formulations.

CHEMICAL CHARACTERISTICS

SPECIFICATIONS

TYPICAL ANALYSIS

CHEMICAL CHARACTERISTICS	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 4.8%	5.3%
Total Nitrogen (TN)	Minimum 10.0%	12.4%
AN/TN Ratio	N/A	42.7%
Loss on drying	Maximum 6.0%	4.4%
Ash	Maximum 15.0%	6.3%
pH (2% solution)	6.5 - 7.5	6.8

ELEMENTAL PROFILE

Calcium	0.078%
Magnesium	0.027%
Potassium	0.83%
Sodium	2.1%

AMINO ACIDS

TOTAL g/100 g

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

GROWTH SUPPORTING PROPERTIES

Peptone agar	Satisfactory
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MICROBIOLOGICAL ANALYSIS

Standard plate count	Less than 5000 CFU/g
Yeasts and molds	Less than 100 CFU/g
Coliforms	Negative
Salmonella	Negative