

LACTALBUMIN HYDROLYSATE

Cat# 6011



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
Amino Nitrogen (AN)	Minimum 4.8 %	5.3 %
Total Nitrogen (TN)	Minimum 10 %	12.4 %
AN/TN Ratio	N/A	42.7 %
Loss on drying	Maximum 6%	4.4 %
Ash	Maximum 15 %	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/100g)
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
Microbiological analysis		
Standard plate count	Less than 5000 col/g	
Yeasts and molds	Less than 100 col/g	
Coliforms	Negative	
Salmonella	Negative	