



PRODUCT SPECIFICATION SHEET

BACTERIOLOGICAL PEPTONE

Description

This is a high quality hydrolysate produced by enzymatic digestion of animal tissues. It is widely used in culture media and has been used extensively in the manufacture of toxins, vaccines and other biological products.

Chemical characteristics	Specifications	Typical analysis
Amino Nitrogen (AN)	Minimum 2.6 %	3.0 %
Total Nitrogen (TN)	Minimum 12 %	15.55 %
AN/TN Ratio	N/A	19.2 %
Loss on drying	Maximum 6.0 %	3.2 %
Ash	Maximum 15 %	4.7 %
pH (2% solution)	6.5 – 7.5	6.9

Elemental profile	
Calcium	0.023 %
Magnesium	0.013 %
Potassium	0.25 %
Sodium	1.4 %

Amino acids	Total (g/100g)
Alanine	7.95
Arginine	7.21
Aspartic acid	6.42
Cystine	0.14
Glutamic acid	9.93
Glycine	20.71
Histidine	0.93
Isoleucine	1.41
Leucine	3.02
Lysine	3.69
Methionine	0.92
Phenylalanine	1.94
Proline	11.71
Serine	3.51
Threonine	1.90
Tryptophan	0.09
Tyrosine	0.75
Valine	2.40

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