

MEAT PEPTONE (BOVINE)

CAT. N°: 102

DESCRIPTION:

Meat Peptone (Bovine) is an enzymatic digest of animal tissue. It can be incorporated into a variety of liquid and solid culture media formulations for the cultivation of fastidious and non-fastidious microorganisms.

CHEMICAL CHARACTERISTICS

SPECIFICATIONS

TYPICAL ANALYSIS

CHEMICAL CHARACTERISTICS	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 3.4%	3.7%
Total Nitrogen (TN)	Minimum 10.0%	12.3%
AN/TN Ratio	N/A	30.0%
Loss on drying	Maximum 6.0%	2.7%
Ash	Maximum 15.0%	9.2%
pH (2% solution)	6.5 - 7.5	6.9

ELEMENTAL PROFILE

Calcium	0.072%
Magnesium	0.029%
Potassium	2.7%
Sodium	2.5%

AMINO ACIDS

TOTAL g/100 g

Alanine	5.62
Arginine	4.08
Aspartic acid	5.61
Cystine	0.37
Glutamic acid	11.62
Glycine	8.37
Histidine	1.31
Isoleucine	2.63
Leucine	4.60
Lysine	4.30
Methionine	0.85
Phenylalanine	2.61
Proline	6.29
Serine	2.95
Threonine	2.46
Tryptophan	0.59
Tyrosine	1.11
Valine	3.50

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