

PROTEOSE PEPTONE N° 3

CAT. N°: 131

DESCRIPTION:

Proteose Peptone N° 3 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, enzymes and other biological products.

CHEMICAL CHARACTERISTICS

SPECIFICATIONS

TYPICAL ANALYSIS

CHEMICAL CHARACTERISTICS	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 3.4%	4.35%
Total Nitrogen (TN)	Minimum 10%	12.42%
AN/TN Ratio	N/A	35.02%
Loss on drying	Maximum 6.0%	3.2%
Ash	Maximum 10.0%	8.2%
pH (2% solution)	6.5 - 7.5	6.8

ELEMENTAL PROFILE

Calcium	0.024%
Magnesium	0.02%
Potassium	2.2%
Sodium	2.4%

AMINO ACIDS

TOTAL g/100 g

Alanine	3.48
Arginine	3.29
Aspartic acid	6.69
Cystine	0.47
Glutamic acid	16.14
Glycine	2.90
Histidine	1.99
Isoleucine	3.83
Leucine	6.50
Lysine	5.95
Methionine	1.77
Phenylalanine	3.56
Proline	6.95
Serine	4.30
Threonine	3.47
Tryptophan	0.95
Tyrosine	1.58
Valine	4.89

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