

PROTEOSE PEPTONE

CAT. N°: 130

DESCRIPTION:

Proteose Peptone is an enzymatic digestion of animal tissues. It is commonly used in the preparation of culture media for the production of toxins and is utilized in the fermentation industry for starter cultures. It is a highly nutritious source for the growth of a wide range of microorganisms.

CHEMICAL CHARACTERISTICS	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 3.4%	4.3%
Total Nitrogen (TN)	Minimum 10%	12.57%
AN/TN Ratio	N/A	34.2%
Loss on drying	Maximum 6.0%	3.0%
Ash	Maximum 10.0%	7.8%
pH (2% solution)	6.5 - 7.5	6.7

ELEMENTAL PROFILE

Calcium	0.024%
Magnesium	0.023%
Potassium	1.4%
Sodium	2.7%

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

AMINO ACIDS

TOTAL g/100 g

Alanine	3.49
Arginine	3.54
Aspartic acid	6.50
Cystine	0.38
Glutamic acid	15.51
Glycine	3.41
Histidine	1.98
Isoleucine	3.66
Leucine	6.68
Lysine	5.81
Methionine	1.64
Phenylalanine	3.53
Proline	7.11
Serine	4.30
Threonine	3.46
Tryptophan	0.80
Tyrosine	1.59
Valine	4.82