

MARINE PEPTONE

CAT. N°: 186

DESCRIPTION:

Marine Peptone is a purified extract produced from fresh marine raw materials obtained by autolysis and supplemented with Yeast Extract to provide a highly nutritious substitute for animal tissue digests.

CHEMICAL CHARACTERISTICS	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 2.7%	4.0%
Total Nitrogen (TN)	Minimum 10.0%	10.72%
AN/TN Ratio	N/A	37.3%
Loss on drying	Maximum 6.0%	3.0%
Ash	Maximum 15.0%	10.5%
pH (2% solution)	6.5 - 7.5	6.9

ELEMENTAL PROFILE

Calcium	0.013%
Magnesium	0.06%
Potassium	4.6%
Sodium	1.7%

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

AMINO ACIDS	TOTAL g/100 g
Alanine	4.25
Arginine	3.13
Aspartic acid	6.22
Cystine	0.47
Glutamic acid	10.16
Glycine	3.40
Histidine	1.28
Isoleucine	2.84
Leucine	4.17
Lysine	5.06
Methionine	0.93
Phenylalanine	2.38
Proline	2.50
Serine	2.94
Threonine	3.68
Tryptophan	0.68
Tyrosine	1.04
Valine	3.41