

MEAT PEPTONE*

Cat. 1600

Peptones

Description

Meat Peptone 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
Amino Nitrogen [AN]	Minimum 3.4%	3.70%
Total Nitrogen [TN]	Minimum 10%	12.33%
AN/TN Ratio	N/A	30.00%
Loss on drying	Maximum 6%	2.70%
Ash	Maximum 15%	9.20%
pH [2% solution]	6.5 - 7.5	6.9

ELEMENTAL PROFILE

	TYPICAL ANALYSIS
Calcium	0.072%
Magnesium	0.029%
Potassium	2.70%
Sodium	2.50%

AMINO ACIDS

	Total (g/100g)		Total (g/100g)		Total (g/100g)
Alanine	5.62	Histidine	1.31	Proline	6.29
Arginine	4.08	Isoleucine	2.63	Serine	2.95
Aspartic acid	5.61	Leucine	4.50	Threonine	2.46
Cystine	0.37	Lysine	4.30	Tryptophan	0.59
Glutamic acid	11.62	Methionine	0.85	Tyrosine	1.11
Glycine	8.37	Phenylalanine	2.61	Valine	3.50

GROWTH SUPPORTING PROPERTIES

Peptone Agar	Satisfactory
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MICROBIOLOGICAL TEST

Standard plate count	Less than 5000 col/g
Yeasts and molds	Less than 100 col/g
Coliforms	Negative
Salmonella	Negative

* See Comparative Table of all Peptones on pg 33