

POLIPEPTONE

CAT. N°: 147

DESCRIPTION:

This peptone is a mixture of Casein Peptone and Meat Peptone. It can be used in general culture media as a superior source of nutrients. The growth of some microorganisms may be better than when the individual peptones are used.

CHEMICAL CHARACTERISTICS	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 3.7%	4.1%
Total Nitrogen (TN)	Minimum 10.0%	13.12%
AN/TN Ratio	N/A	31.25%
Loss on drying	Maximum 6.0%	3.4%
Ash	Maximum 15.0%	8.8%
pH (2% solution)	6.5 - 7.5	6.8

ELEMENTAL PROFILE

Calcium	0.03%
Magnesium	0.014%
Potassium	1.6%
Sodium	2.12%

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	4.05
Arginine	3.76
Aspartic acid	8.83
Cystine	0.43
Glutamic acid	15.97
Glycine	5.70
Histidine	1.81
Isoleucine	3.44
Leucine	5.99
Lysine	5.50
Methionine	1.81
Phenylalanine	3.34
Proline	8.21
Serine	4.33
Threonine	3.31
Tryptophan	0.80
Tyrosine	1.42
Valine	4.37