

CASEIN PEPTONE TYPE I (TRYPTONE)

CAT. N°: 100

DESCRIPTION:

Casein Peptone Type I is a pancreatic digest of casein containing all the amino acids found in casein as well as larger peptide fractions. It is an excellent nutrient for use in culture media for producing antibiotics, toxins, enzymes and other biological products. This product is widely used in the pharmaceutical and veterinary industries and in diagnostic culture media.

CHEMICAL CHARACTERISTICS

SPECIFICATIONS

TYPICAL ANALYSIS

CHEMICAL CHARACTERISTICS	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 3.9%	4.2%
Total Nitrogen (TN)	Minimum 10%	13.13%
AN/TN Ratio	N/A	32.0%
Loss on drying	Maximum 6.0%	3.3%
Ash	Maximum 15.0%	6.0%
pH (2% solution)	6.5 - 7.5	6.8

ELEMENTAL PROFILE

Calcium	0.019%
Magnesium	0.0079%
Potassium	1.3%
Sodium	2.1%

AMINO ACIDS

TOTAL g/100 g

Alanine	2.91
Arginine	3.30
Aspartic acid	6.99
Cystine	0.44
Glutamic acid	18.74
Glycine	1.86
Histidine	2.38
Isoleucine	4.45
Leucine	7.62
Lysine	6.60
Methionine	2.32
Phenylalanine	4.11
Proline	8.65
Serine	5.08
Threonine	3.91
Tryptophan	0.95
Tyrosine	1.86
Valine	5.51

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