

CASEIN PEPTONE TYPE II

CAT. N°: 148

DESCRIPTION:

Casein Peptone Type II is a pancreatic digest of casein. It can be used in the manufacture of toxins, vaccines, enzymes and microbiological culture media, especially in blood-containing media.

CHEMICAL CHARACTERISTICS

SPECIFICATIONS

TYPICAL ANALYSIS

CHEMICAL CHARACTERISTICS	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 3.9%	4.2%
Total Nitrogen (TN)	Minimum 10%	13.49%
AN/TN Ratio	N/A	31.1%
Loss on drying	Maximum 6.0%	3.3%
Ash	Maximum 15.0%	6.4%
pH (2% solution)	6.5 - 7.5	6.8

ELEMENTAL PROFILE

Calcium	0.019%
Magnesium	0.0057%
Potassium	0.86%
Sodium	2.2%

AMINO ACIDS

TOTAL g/100 g

Alanine	2.74
Arginine	3.29
Aspartic acid	6.99
Cystine	0.49
Glutamic acid	19.23
Glycine	1.73
Histidine	2.44
Isoleucine	4.52
Leucine	7.70
Lysine	6.73
Methionine	2.45
Phenylalanine	4.18
Proline	9.11
Serine	5.14
Threonine	3.95
Tryptophan	1.00
Tyrosine	1.91
Valine	5.59

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