

Casein CC Peptone

Cat. 1603

Ingredients (Peptones)

Practical information

Applications	Categories
Nitrogen source	General use

Industry: Fermentation / Ingredients for culture media

Principles and uses

Casein CC Peptone is a pancreatic digest of casein enriched with the enzymatic digest of animal tissue. Pancreatic digestion produces a balanced mixture of amino acids, including essential amino acids in optimal ration and low molecular peptides. Enzymatic digestion produces amino acids, including essential amino acids and peptides. The enzymes normally used are trypsin and pepsin. It is a superior source of nutrients widely used in pharmaceutical and veterinary industries.

Physical-chemical characteristics

Description	Specification	Typical Analysis
Amino nitrogen (AN)	>3,9%	4,15%
Total nitrogen (TN)	>10,0%	13,10%
Loss on drying	<6%	3,15%
AN/TN Ratio	N/A	31,67%
Ash	<15%	6,80%
pH (2% solution)	6,5-7,5	6,8

Elemental profile

Descripción	Value
Calcium	0,02%
Magnesium	0,0069%
Sodium	2,20%
Potassium	1,80%

Amino acids

	Total (g/100g)		Total (g/100g)		Total (g/100g)
Alanine	2,94	Isoleucine	4,44	Glycine	1,88
Arginine	3,36	Leucine	7,60	Histidine	2,39
Serine	5,02	Threonine	3,96	Methionine	2,31
Cystine	0,41	Valine	5,50	Phenylalanine	4,13
Lysine	6,63	Aspartic acid	6,28	Proline	8,62
Tyrosine	1,85	Glutamic acid	17,90	Tryptophan	0,92

Growth supporting properties

Descripción	Value
Peptone agar	Good/Bueno

Microbiological test

Description	Specification
Salmonella	Negative
Coliformes	Negative
Hongos y levaduras	<100 CFU/g
Recuento en placa	<5.000 CFU/g

Storage

Temp. Min.:2 °C
Temp. Max.:25 °C

DOMINIQUE DUTSCHER SAS