

Proteose peptone

Cat. 1609

Enzymatic digest of animal origin, source of nutrients for the cultivation of microorganisms.

Practical information

Applications	Categories
Nitrogen source	General use

Industry: Fermentation / Culture media ingredients / Manufacturing process

Principles and uses

Proteose Peptone is an enzymatic digestion of animal tissues. It is commonly used in the preparation of culture media for the production of toxins, and in the fermentation industry for starter cultures. It is a highly nutritious source for the growth of a wide range of microorganisms.

Physical-chemical characteristics

Description	Specification	Typical Analysis
Amino nitrogen (AN)	>3,4%	4,30%
Total nitrogen (TN)	>10,0%	12,57%
Loss on drying	<6%	3,00%
AN/TN Ratio	N/A	34,20%
Ash	< 16 %	7,8%
pH (2% solution)	6,5-7,5	6,7

Elemental profile

Descripción	Value
Calcium	0,024%
Magnesium	0,023%
Potassium	1,40%
Sodium	2,70%

Amino acids

	Total (g/100g)		Total (g/100g)		Total (g/100g)
Arginine	3,54	Phenylalanine	3,53	Isoleucine	3,66
Aspartic Acid	6,50	Serine	4,30	Proline	7,11
Cystine	0,38	Alanine	3,49	Threonine	3,46
Leucine	6,68	Glutamic Acid	15,51	Tryptophan	0,80
Lysine	5,81	Glycine	3,41	Tyrosine	1,59
Methionine	1,64	Histidine	1,98	Valine	4,82

Growth supporting properties

Descripción	Value
Peptona agar	Good/Bueno

Storage

Temp. Min.:2 °C
Temp. Max.:25 °C