Proteose Peptone Nº3

Cat. 1607

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

Practical information

Aplications	Categories
Nitrogen source	General use

Industry: Fermentation / Ingredients for culture media / Manufacturing process

Principles and uses

Proteose Peptone N° 3 is a high quality hydrolysate produced by the enzymatic digestion of animal tissues. It is widely used in culture media and has been used extensively in the manufacture of toxins, vaccines, enzymes and other biological products. This product provide nitrogen in a form that is readily available for bacterial growth

Physical-chemical characteristics

Description	Specification	Typical Analysis
Amino nitrogen (AN)	>3,4%	4,35%
Total nitrogen (TN)	>10,0%	12,42%
Loss on drying	<6%	3,20%
AN/TN Ratio	N/A	35,02%
Ash	<10 %	8,20%
pH (2% solution)	6,5-7,5	6,7

Amino acids

	Total (g/100g)		Total (g/100g)		Total (g/100g)
Alanine	3,48	Glutamic Acid	16,14	Methionine	1,77
Phenylalanine	3,56	Glycine	2,90	Tyrosine	1,58
Proline	6,95	Histidine	1,99	Valine	4,89
Serine	4,30	Isoleucine	3,83	Arginine	3,29
Threonine	3,57	Leucine	6,50	Aspartic Acid	6,69
Tryptophan	0,95	Lysine	5,95	Cystine	0.47

Grownth supporting properties

Descripción	Value
Peptone agar	Good/Bueno

Microbiological test

Description	Specification
Salmonella	Negative
Standard plate count	<5.000 CFU/g
Coliforms	Negative
Yeast and molds	<100 CFU/g

Storage

Temp. Min.:2 ºC
Temp. Max.:25 ºC