

Proteose Peptone N°3

Cat. 1607

Ingredients (Peptones)

Practical information

Applications	Categories
Nitrogen source	General use

Industry: Fermentation / Ingredients for culture media

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

Growth supporting properties

Descripción	Value
Peptone agar	Good/Bueno

Microbiological test

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

Storage

Temp. Min.:2 °C
Temp. Max.:25 °C