Tryptone

Cat. 1612

Practical information

Aplications	Categories
Nitrogen source	General use

Industry: Fermentation / Ingredients for culture media

Principles and uses

Tryptone is a pancreatic digest of casein containing all amino acids found in casein as well as larger peptide fractions. This product is recommended for preparing media where enzymatic hydrolyzed casein is desired. It is an excellent nutrient for use in culture media for producing antibiotics, toxins, enzymes and other biological products. This product is widely used in the pharmaceutical and veterinary industries and the diagnostic culture media industry.

Physical-chemical characteristics

Description	Specification	Typical Analysis
Amino nitrogen (AN)	>3,9%	4;20%
Total nitrogen (TN)	>10,0%	13,13%
Loss on drying	<6%	3,30%
AN/TN Ratio	N/A	32%
Ash	<15%	6%
pH (2% solution)	6,5-7,5	6,8

Elemental profile

Descripción	Value
Calcium	0,019%
Magnesium	0,0065%
Sodium	2,10%
Potassium	0,95%

Amino acids

	Total (g/100g)		Total (g/100g)		Total (g/100g)
Alanine	2,87	Isoleucine	4,48	Valine	5,51
Arginina	3,31	Proline	8,65	Lysine	6,51
Aspartic acid	6,52	Serine	5,08	Methionine	2,35
Cystine	0,40	Threonine	3,91	Histidine	2,29
Glutamic acid	18,70	Tryptophan	1,05	Leucine	7,63
Glycine	1,79	Tyrosine	1,86	Phenylalanine	4,09

Grownth supporting properties

Descripción	Value
Peptone agar	Good/Bueno

Microbiological test

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

Storage

Temp. Min.:2 ºC
Temp. Max.:25 ºC