

Soy Peptone

Cat. 1608

Papaic/pancreatic soy extract, source of vitamins and carbohydrates for the cultivation of fungi and bacteria.

Practical information

Applications	Categories
Nitrogen source	General use

Industry: Fermentation / Ingredients for culture media

Principles and uses

Soy Peptone is a papaic/pancreatic digest of defatted soybean meal. It is used in culture media for the cultivation of a wide variety of microorganisms including bacteria and fungi. It is an excellent source of vitamins and carbohydrates.

Physical-chemical characteristics

Description	Specification	Typical Analysis
AN/TN Ratio	N/A	23,9%
Amino nitrogen (AN)	>2,2%	3,0%
Total nitrogen (TN)	>7,0%	12,54%
Loss on drying	<6%	2,8%
Ash	<15%	8,7%
pH (2% solution)	6,5-7,5	6,8

Elemental profile

Descripción	Value
Calcium	0,026%
Sodium	3,0%
Magnesium	0,012%
Potassium	1,5%

Amino acids

Total (g/100g)		Total (g/100g)		Total (g/100g)	
Cystine	0,34	Threonine	1,78	Aspartic acid	5,94
Histidine	0,94	Tryptophan	0,19	Glutamic acid	9,98
Leucine	2,82	Tyrosine	1,06	Glycine	11,38
Isoleucine	1,56	Valine	2,09	Phenylalanine	1,83
Proline	6,88	Alanine	4,73	Lysine	3,08
Serine	2,81	Arginine	4,31	Methionine	0,73

Growth supporting properties

Descripción	Value
Peptone agar	Good/Bueno

Microbiological test

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

Storage

Temp. Min.:2 °C
Temp. Max.:25 °C