

Liver Peptone

Cat. 1703

Digested pancreatic source of nutrients for culture media.

Practical information

Applications	Categories
Nitrogen source	General use

Industry: Fermentation / Ingredients for culture media / Manufacturing process

Principles and uses

Liver peptone is a papaic digest of liver controlled by enzymatic hydrolysis. It can be used in some culture media as a superior source of nutrients.

Physical-chemical characteristics

Description	Specification
Amino nitrogen (AN)	4-6 %
Total nitrogen (TN)	10,0- 12,0 %
Loss on drying	<6%
pH (2% solution)	5,5-6,5
Nitrites	Negative
2% Solution Test	Total
Color	Brown
Appearance	Powder
Sulfuric ashes	<17%
Chlorides (as NaCl)	<2%
Stability after autoclaving (2% solution)	Stable

Amino acids

	Total (g/100g)		Total (g/100g)		Total (g/100g)
Serine	3,0	Lysine	4,8	Valine	5,6
Glutamic acid	9,0	Arginine	1,3	Methionina	1,7
Leucine	5,7	Trheonine	3,3	Tryptophan	/
Tyrosine	1,1	Proline	3,4	Aspartic acid	6,6
Phenylalanine	3,8	Alanina	4,6	Glycine	5,3
Histidine	5,7	Cysteine	/	Isoleucine	3,5

Microbiological test

Description	Specification
Total aerobic microbial count	<5.000 CFU/g

Storage

Temp. Min.:2 °C
Temp. Max.:25 °C