

SOY PEPTONE

CAT. N°: 103

DESCRIPTION:

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.

CHEMICAL CHARACTERISTICS	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 2.2%	3.0%
Total Nitrogen (TN)	Minimum 7.0%	12.54%
AN/TN Ratio	N/A	23.9%
Loss on drying	Maximum 6.0%	2.8%
Ash	Maximum 15.0%	8.7%
pH (2% solution)	6.5 - 7.5	6.8

ELEMENTAL PROFILE

Calcium	0.026%
Magnesium	0.012%
Potassium	1.5%
Sodium	3.0%

GROWTH SUPPORTING PROPERTIES

Peptone agar	Satisfactory
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MICROBIOLOGICAL ANALYSIS

Standard plate count	Less than 5000 CFU/g
Yeasts and molds	Less than 100 CFU/g
Coliforms	Negative
Salmonella	Negative

AMINO ACIDS

	TOTAL g/100 g
Alanine	4.73
Arginine	4.31
Aspartic acid	5.94
Cystine	0.34
Glutamic acid	9.98
Glycine	11.38
Histidine	0.94
Isoleucine	1.56
Leucine	2.82
Lysine	3.08
Methionine	0.73
Phenylalanine	1.83
Proline	6.88
Serine	2.81
Threonine	1.78
Tryptophan	0.19
Tyrosine	1.06
Valine	2.09