

SOY PEPTONE

Cat# 6019



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 %	12.54 %
AN/TN Ratio	N/A	23.9 %
Loss on drying	Maximum 6 %	2.8 %
Ash	Maximum 15 %	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 %
Amino acids		Total (g/100g)
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
Growth supporting properties		
Peptone agar		Satisfactory
Microbiological analysis		
Standard plate count	Less than 5000 col/g	
Yeasts and molds	Less than 100 col/g	
Coliforms	Negative	
Salmonella	Negative	