

POLYPEPTONE

Cat# 6016



This peptone is a mixture of Casein Peptone and Meat Peptone. It can be used in general culture media as a superior source of nutrients. The growth of some microorganisms may be better than when the individual peptones are used.

Chemical characteristics	Specifications	Typical analysis
Amino Nitrogen (AN)	Minimum 3.7 %	4.1 %
Total Nitrogen (TN)	Minimum 10 %	13.12 %
AN/TN Ratio	N/A	31.25 %
Loss on drying	Maximum 6 %	3.4 %
Ash	Maximum 15 %	8.8 %
pH (2% solution)	6.5 – 7.5	6.8
Elemental profile		
Calcium		0.03 %
Magnesium		0.014 %
Potassium		1.6 %
Sodium		2.12 %
Amino acids		Total (g/100g)
Alanine		4.05
Arginine		3.76
Aspartic acid		8.83
Cystine		0.43
Glutamic acid		15.97
Glycine		5.70
Histidine		1.81
Isoleucine		3.44
Leucine		5.99
Lysine		5.50
Methionine		1.81
Phenylalanine		3.34
Proline		8.21
Serine		4.33
Threonine		3.31
Tryptophan		0.80
Tyrosine		1.42
Valine		4.37
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	