

# PROTEOSE PEPTONE

Cat# 6018



Proteose Peptone is an enzymatic digestion of animal tissues. It is commonly used in the preparation of culture media for the production of toxins and is utilized in the fermentation industry for starter cultures. It is a highly nutritious source for the growth of a wide range of microorganisms.

<b>Chemical characteristics</b>	<b>Specifications</b>	<b>Typical analysis</b>
Amino Nitrogen (AN)	Minimum 3.4 %	4.3 %
Total Nitrogen (TN)	Minimum 10 %	12.57 %
AN/TN Ratio	N/A	34.2 %
Loss on drying	Maximum 6 %	3.0 %
Ash	Maximum 10 %	7.8 %
pH (2% solution)	6.5 – 7.5	6.7
<b>Elemental profile</b>		
Calcium		0.024 %
Magnesium		0.023 %
Potassium		1.4 %
Sodium		2.7 %
<b>Amino acids</b>		<b>Total (g/100g)</b>
Alanine		3.49
Arginine		3.54
Aspartic acid		6.50
Cystine		0.38
Glutamic acid		15.51
Glycine		3.41
Histidine		1.98
Isoleucine		3.66
Leucine		6.68
Lysine		5.81
Methionine		1.64
Phenylalanine		3.53
Proline		7.11
Serine		4.30
Threonine		3.46
Tryptophan		0.80
Tyrosine		1.59
Valine		4.82
<b>Growth supporting properties</b>		
Peptone agar		Satisfactory
<b>Microbiological analysis</b>		
Standard plate count	Less than 5000 col/g	
Yeasts and molds	Less than 100 col/g	
Coliforms	Negative	
Salmonella	Negative	