

# MARINE PEPTONE

Cat# 6010



Marine peptone is a purified extract produced from fresh marine raw materials obtained by autolysis and supplemented with yeast extract to provide a highly nutritious substitute for animal tissue digests.

<b>Chemical characteristics</b>	<b>Specifications</b>	<b>Typical analysis</b>
Amino Nitrogen (AN)	Minimum 2.7 %	4.0 %
Total Nitrogen (TN)	Minimum 10 %	10.72 %
AN/TN Ratio	N/A	37.3 %
Loss on drying	Maximum 6 %	3.0 %
Ash	Maximum 15 %	10.5 %
pH (2% solution)	6.5 – 7.5	6.9
<b>Elemental profile</b>		
Calcium		0.013 %
Magnesium		0.06 %
Potassium		4.6 %
Sodium		1.7 %
<b>Amino acids</b>		
		<b>Total (g/100g)</b>
Alanine		4.25
Arginine		3.13
Aspartic acid		6.22
Cystine		0.47
Glutamic acid		10.16
Glycine		3.40
Histidine		1.28
Isoleucine		2.84
Leucine		4.17
Lysine		5.06
Methionine		0.93
Phenylalanine		2.38
Proline		2.50
Serine		2.94
Threonine		3.68
Tryptophan		0.68
Tyrosine		1.04
Valine		3.41
<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	