

CASEIN PEPTONE TYPE II

Cat# 6006



Casein Peptone Type II is a pancreatic digest of casein. It can be used in the manufacture of toxins, vaccines, enzymes and microbiological culture media, especially in blood-containing media.

Chemical characteristics	Specifications	Typical analysis
Amino Nitrogen (AN)	Minimum 3.9 %	4.2 %
Total Nitrogen (TN)	Minimum 10.0 %	13.49 %
AN/TN Ratio	N/A	31.1 %
Loss on drying	Maximum 6.0 %	3.3 %
Ash	Maximum 15.0 %	6.4 %
pH (2% solution)	6.5 – 7.5	6.8
Elemental profile		
Calcium		0.019 %
Magnesium		0.0057 %
Potassium		0.86 %
Sodium		2.2 %
Amino acids		Total (g/100g)
Alanine		2.74
Arginine		3.29
Aspartic acid		6.99
Cystine		0.49
Glutamic acid		19.23
Glycine		1.73
Histidine		2.44
Isoleucine		4.52
Leucine		7.70
Lysine		6.73
Methionine		2.45
Phenylalanine		4.18
Proline		9.11
Serine		5.14
Threonine		3.95
Tryptophan		1.00
Tyrosine		1.91
Valine		5.59
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	