

PROTEOSE PEPTONE N° 3

CAT N°:1607

Ingredients (Peptones)

DESCRIPTION

Proteose Peptone N° 3 is a high quality hydrolysate produced by the enzymatic digestion of animal tissues. It is widely used in culture media and has been used extensively in the manufacture of toxins, vaccines, enzymes and other biological products. This product provide nitrogen in a form that is readily available for bacterial growth

CHEMICAL CHARACTERISTICS

	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 3.4%	4.35%
Total Nitrogen (TN)	Minimum 10.0%	12.42%
AN/TN Ratio	N/A	35.02%
Loss on drying	Maximum 6%	3.20%
Ash	Maximum 10%	8.20%
pH (2% solution)	6.5 – 7.5	6.8

ELEMENTAL PROFILE

	TYPICAL ANALYSIS
Calcium	0.024%
Magnesium	0.02%
Potassium	2.20%
Sodium	2.40%

AMINO ACIDS

	Total (g/100g)		Total (g/100g)		Total (g/100g)
Alanine	3.48	Histidine	1.99	Proline	6.95
Arginine	3.29	Isoleucine	3.83	Serine	4.30
Aspartic acid	6.69	Leucine	6.50	Threonine	3.57
Cystine	0.47	Lysine	5.95	Tryptophan	0.95
Glutamic acid	16.14	Methionine	1.77	Tyrosine	1.58
Glycine	2.90	Phenylalanine	3.56	Valine	4.89

GROWTH SUPPORTING PROPERTIES

Peptone Agar	Good
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MICROBIOLOGICAL TEST

Standard plate count	Less than 5000 col/g
Yeasts and molds	Less than 100 col/g
Coliforms	Negative
<i>Salmonella</i>	Negative

STORAGE

Once opened keep powdered medium closed to avoid hydration.



The dehydrated Proteose Peptone n°3 should be homogeneous, free flowing and beige in color. If there are any changes physically, discard the product.