

PRODUCT CODE: 403682

Tryptone (Ingredient) for microbiology

Description

Tryptone is a pancreatic digest of casein containing all amino acids found in casein as well as larger peptide fractions. This product is recommended for preparing media where enzymatic hydrolysed casein is desired. It is an excellent nutrient for use in culture media for producing antibiotics, toxins, enzymes and other biological products. This product is widely used in the pharmaceutical and veterinary industries and the diagnostic culture media industry.

Chemical Characteristics

	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 3.9%	4.20%
Total Nitrogen (TN)	Minimum 10%	13.31%
AN/TN Ratio	N/A	31.70%
Loss on drying	Maximum 6%	3.30%
Ash	Maximum 15%	6.00%
pH (2% solution)	6.5 – 7.5	6.8

Elemental profile

	TYPICAL ANALYSIS
Calcium	0.019%
Magnesium	0.0065%
Potassium	0.95%
Sodium	2.10%

Amino Acids

	Total (g/100g)		Total (g/100g)		Total (g/100g)
Alanine	2.87	Histidine	2.29	Proline	8.65
Arginine	3.31	Isoleucine	4.48	Serine	5.08
Aspartic acid	6.52	Leucine	7.63	Threonine	3.91
Cystine	0.40	Lysine	6.51	Tryptophan	1.05
Glutamic acid	18.70	Methionine	2.35	Tyrosine	1.86
Glycine	1.79	Phenylalanine	4.09	Valine	5.51

Growth supporting properties

Peptone Agar	Good
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