

## CASEIN PEPTONE N°2

### CAT N°:1620

Ingredients (Peptones)

#### DESCRIPTION

CASEIN PEPTONE N°2 is a pancreatic digest of casein. Pancreatic digestion produces a balanced mixture of amino acids, including essential amino acids, in optimal ration and low molecular peptides. In many cases this makes for a more nutritious hydrolysate, especially for those organisms that prefer peptides to amino acids.

It can be used in the production of toxins, vaccines, enzymes and microbiological culture media, especially in blood-containing media.

#### CHEMICAL CHARACTERISTICS

	SPECIFICATIONS	TYPICAL ANALYSIS
Amino Nitrogen (AN)	Minimum 3.9%	4.20%
Total Nitrogen (TN)	Minimum 10%	13.49%
AN/TN Ratio	N/A	31.10%
Loss on drying	Maximum 6%	3.30%
Ash	Maximum 15%	6.40%
pH (2% solution)	6.5 – 7.5	6.8

#### ELEMENTAL PROFILE

	TYPICAL ANALYSIS
Calcium	0.019%
Magnesium	0.0057%
Potassium	0.86%
Sodium	2.20%

#### AMINO ACIDS

	Total (g/1 00g)		Total (g/1 00g)		Total (g/1 00g)
Alanine	2.74	Histidine	2.44	Proline	9.11
Arginine	3.29	Isoleucine	4.52	Serine	5.14
Aspartic acid	6.99	Leucine	7.70	Threonine	3.95
Cystine	0.49	Lysine	6.73	Tryptophan	1.00
Glutamic acid	19.23	Methionine	2.45	Tyrosine	1.91
Glycine	1.73	Phenylalanine	4.18	Valine	5.59

#### GROWTH SUPPORTING PROPERTIES

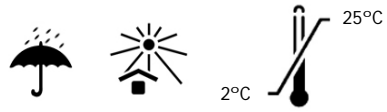
Peptone Agar	Good
--------------	------

#### 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 Casein Peptone n°2 should be homogeneous, free flowing and clear beige in color. If there are any changes physically, discard the product.