

PRODUCT INFORMATION

Bacteriological Peptone

Cat. No. B02-127

DESCRIPTION

Bacteriological Peptone is a general-purpose growth peptone, used as an ingredient within culture media and for the cultivation of most bacteria, fungi and some protozoa.

PHYSICAL AND CHEMICAL CHARACTERISTICS

TEST TYPE	SPECIFICATION
Amino Nitrogen	≥ 2.75%
Total Nitrogen	≥ 10.00%
Loss on Drying	≤ 6.00%
pH (2% solution)	6.5 – 7.5
Ash	≤ 15.0%

MICROBIOLOGICAL CHARACTERISTICS

TEST TYPE	SPECIFICATION
Standard Plate Count	< 5000 CFU/g
Yeast and Mold	< 100 CFU/g
Coliforms	Negative
Salmonella	Negative

MINERALS

TEST TYPE	TYPICAL ANALYSIS
Calcium	0.023%
Magnesium	0.012%
Potassium	1.26%
Sodium	1.12%

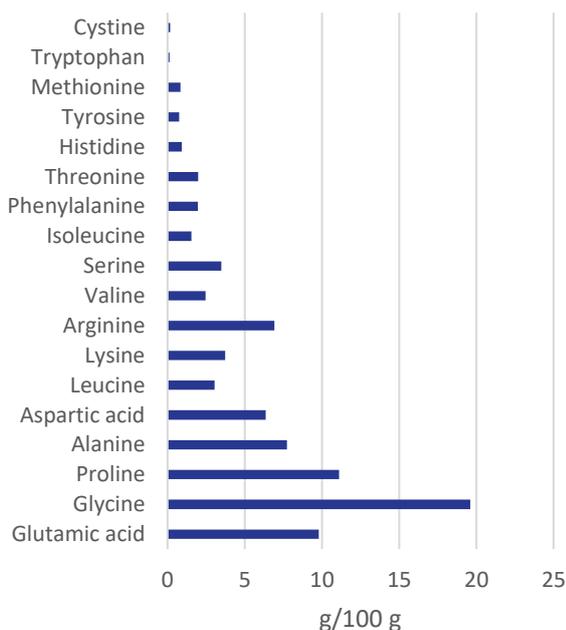
MOLECULAR WEIGHT DISTRIBUTION

MOLECULAR WEIGHT	%
< 500 Da	49,57
500 - 750 Da	16,45
750 Da - 3 kDa	33,98
3 - 5 kDa	0
5 - 20 kDa	0
>20 k Da	0
Avg Molecular Weight (Da)	422,4

AMINO ACIDS

TEST TYPE	g/100g
Glutamic acid	9.80
Glycine	19.62
Proline	11.11
Alanine	7.74
Aspartic acid	6.37
Leucine	3.04
Lysine	3.74
Arginine	6.93
Valine	2.45
Serine	3.48
Isoleucine	1.55
Phenylalanine	1.97
Threonine	1.98
Histidine	0.93
Tyrosine	0.75
Methionine	0.84
Tryptophan	0.13
Cystine	0.16

Amino acid Profile



STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.