

Edition 2021/11
Replaces Ed. 2008/04



Meat Peptone N1 19521

Certificate of Suitability n° R1-CEP 2001-115 Rev 01 - Eur. Ph.- Monography 1483

Definition

Meat Peptone N1 is manufactured by a controlled enzymatic hydrolysis of animal tissues.

Description

Fine cream powder easily soluble in water.

Meat Peptone N1 contains a mix of peptides and free amino acids.

Use

Source of organic nitrogen, which can be used:

- in media for industrial fermentation (for cosmetic products, veterinary and human drugs, according to Regulation 1069/2009 Art 33)
- in in vitro diagnostic (according to Regulation 1069/2009 Art 33)
- as a raw material for pet food

Physico-chemical characteristics

	Standard
Solubility in water at 5 %	Complete
pH (5 % solution)	5.0 – 6.0
Loss on drying	≤ 6.0 %
Total nitrogen TN	15.0 – 16.5 %
α-amino nitrogen AN	2.7 – 3.7 %
AN/TN x 100	16 – 25
Residue on ignition	≤ 6.0 %
Chloride (as NaCl)	≤ 3.0 %

Microbiology

	Standard
Total aerobic microbial count	≤ 10 000 /g
<i>Staphylococcus aureus</i>	Absence / 10 g
<i>Salmonella</i>	Absence / 25 g
<i>Escherichia coli</i>	Absence /g
Coliforms	≤ 10 /g
Yeast and moulds	≤ 20 /g

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Typical data

Molecular weight distribution	g / 100g
> 10 000 daltons	0
1 000 - 10 000 daltons	33.7
500 - 1 000 daltons	35.7
300 - 500 daltons	18.8
< 300 daltons	11.8
Average Molecular Weight	1 040 daltons

Amino Acids		Total-T (g/100g)	Free-F (g/100g)	F/Tx100
Alanine	Ala	9.6	0.7	7.3
Arginine	Arg	6.7	2.7	40.3
Aspartic acid	Asp	6.5	0.3	4.6
Cystine	Cys	0.3	0.2	66.7
Glutamic acid	Glu	11.6	0.5	4.3
Glycine	Gly	23.0	1.1	4.8
Histidine	His	0.8	0.2	25.0
Isoleucine	Ileu	1.7	0.3	17.6
Leucine	Leu	3.5	0.4	25.7
Lysine	Lys	4.3	1.2	27.9
Methionine	Met	1.3	0.2	15.4
Phenylalanine	Phe	3.3	0.8	24.2
Proline	Pro	11.8	0.3	2.5
Serine	Ser	2.9	0.2	6.9
Threonine	Thr	1.3	0.3	23.1
Tryptophan	Trp	0.1	0.1	100.0
Tyrosine	Tyr	0.9	0.5	55.6
Valine	Val	2.9	0.3	10.3

Documentation

The certificate of analysis and the sanitary certificate are supplied with each delivery.

Packing and storage

25 kg net corrugated board box with inner polyethylene bags.

Upon request: 5 kg plastic drum.

Keep in original packaging closed when not in use,
at room temperature in a dry area.

Hygroscopic product.

Best before: 5 years.

Health and safety information

Dusty powder.

Avoid inhalation.



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