

Edition 2021/11
Replaces Ed. 2020/01



Meat Peptone S1 19018

Certificate of Suitability n°1 R1-CEP 2001-116 Rev 01 – Eur. Ph. – Monography 1483

Definition

Meat Peptone S1 is manufactured by a controlled enzymatic hydrolysis of animal tissues.

Description

Fine beige powder easily soluble in water.

Meat Peptone S1 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)

Physico-chemical characteristics

	Standard
Solubility in water at 5 %	Complete
pH (5 % solution)	6.5 – 7.5
Loss on drying	≤ 6.0 %
Total nitrogen TN	12.3 – 13.3 %
α-amino nitrogen AN	2.1 – 2.9 %
AN/TN x 100	15 – 24
Residue on ignition	≤ 28.0 %
Chloride (as NaCl)	≤ 17.0 %

Microbiology

	Standard
Total aerobic microbial count	≤ 2 000 /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	7.1
1 000 - 10 000 daltons	31.6
500 - 1 000 daltons	24.3
300 - 500 daltons	22.9
150 - 300 daltons	9.7
< 150 daltons	4.4
Average Molecular Weight	2589 daltons

Amino Acids		Free (g/100 g)
Alanine	Ala	0.3
Arginine	Arg	0.0
Aspartic acid	Asp	0.0
Cysteine	Cys	0.1
Glutamic acid	Glu	0.2
Glycine	Gly	0.1
Histidine + Glutamine	His + Gln	0.0
Isoleucine	Ile	0.1
Leucine	Leu	0.3
Lysine	Lys	0.1
Methionine	Met	0.2
Phenylalanine	Phe	0.3
Proline	Pro	0.1
Serine + Asparagine	Ser + Asn	0.0
Threonine + Citruline	Thr + Cit	0.0
Tryptophan	Trp	0.0
Tyrosine	Tyr	0.1
Valine	Val	0.1

Documentation

The certificate of analysis and 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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