

Edition 2022/04
Replaces Ed. 2021/07



Rice Peptone 19560

Definition

Rice Peptone is manufactured by a controlled enzymatic hydrolysis of rice proteins. This peptone is recommended for fermentation, especially for probiotics and lactic ferments, where non allergen raw materials are required.

Rice Peptone can be supplied with Halal and Kosher certificates (ref. 19560-K).

Description

Fine beige powder soluble in water.

Rice Peptone contains a mix of peptides and free amino acids.

Rice Peptone is manufactured with raw materials from vegetal origin only.

Rice Peptone is guaranteed "non GMO" according to the European Regulations 1829/2003 and 1830/2003.

Use

Source of organic nitrogen, which can be used:

- in media for industrial fermentation
 - in in vitro diagnostic
 - as a raw material for foodstuffs since Organotechnie is certified ISO 22 000 and has performed an HACCP study.
- However, we recommend that the customer ensures that this product is in compliance with local regulation in force, particularly in the countries where the finished product is to be consumed.

Physico-chemical characteristics

	Standard
pH (5 % solution)	5.8 – 7.5
Solubility in water (5 % solution)	Complete
Loss on drying	≤ 8 %
Total nitrogen TN	10.9 – 14.6 %
α-amino nitrogen AN	3.2 – 4.2 %
AN/TN x 100	22 - 39
Residue on ignition	≤ 15 %
Chloride (as NaCl)	≤ 1.0 %

Microbiology

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

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Users should, however, conduct their own tests to determine the suitability of our products for their own specific purposes.

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Typical data

Molecular weight distribution	g/100g of peptone
> 10 000 daltons	1
1 000 - 10 000 daltons	16
500 - 1 000 daltons	25
300 - 500 daltons	27
150 - 300 daltons	17
< 150 daltons	14
Average Molecular Weight	883 daltons

Free Amino Acids		g/100g of peptone
Alanine	Ala	0.3
Arginine	Arg	2.6
Aspartic Acid	Asp	0.1
Cysteine	Cys	0.3
Glutamic acid	Glu	0.2
Glycine	Gly	0.2
Histidine + Glutamine	His +	0.5
Isoleucine	Ile	1.4
Leucine	Leu	2.9
Lysine	Lys	1.0
Méthionine	Met	0.5
Phénylalanine	Phe	1.8
Proline	Pro	0.1
Sérine + Asparagine	Ser +	0.7
Thréonine + Citruline	Thr +	0.5
Tyrosine	Tyr	1.1
Tryptophane	Trp	0.4
Valine	Val	1.5

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: 3 years

Health and safety information

Dusty powder.

Avoid inhalation.

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