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Hydrolysate of Casein C1 19581

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Definition

Hydrolysate of Casein C1 is manufactured by an acid hydrolysis of casein.

Description

Fine beige powder easily soluble in water.

Hydrolysate of Casein C1 contains a mix of peptides and free amino acids.

Use

Source of organic nitrogen recommended in media for:

- Analytical microbiology
- Industrial fermentation.

Physico-chemical characteristics

	Standard
Solubility in water at 5 %	Complete
pH (5 % solution)	4.7 – 5.7
Loss on drying	≤ 6,0 %
Total nitrogen TN	7.0 – 8.5 %
α-amino nitrogen AN	5.0 – 6.5 %
AN/TN x 100	56 - 93
Chloride (as NaCl)	≤ 45.0 %

Microbiology

	Standard
Total aerobic microbial count	≤ 5 000 /g



The information contained in this publication is based on our own research and development work and is to the best of our knowledge true and accurate.

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
> 1 000 daltons	0.2
500 - 1 000 daltons	6.4
300 - 500 daltons	42.5
< 300 daltons	50.9

Amino Acids		Total - T (g/100g)
Alanine	Ala	2.0
Arginine	Arg	2.2
Aspartic Acid	Asp	4.4
Cysteine	Cys	0.0
Glutamic acid	Glu	12.5
Glycine	Gly	1.2
Histidine	His	1.8
Isoleucine	Ileu	2.4
Leucine	Leu	3.4
Lysine	Lys	5.6
Méthionine	Met	1.2
Phénylalanine	Phe	2.5
Proline	Pro	6.1
Sérine	Ser	2.7
Thréonine	Thr	2.2
Tyrosine	Tyr	0.6
Tryptophane	Trp	--
Valine	Val	3.9

Documentation

The certificate of analysis is supplied with each delivery.

Packing and storage

25 kg net corrugated board box with inner polyethylene bags.

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.