Edition 2022/05
Replaces Ed. 2022/04

Soy Peptone A2 SC 19649

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Definition

Soy Peptone A2 SC is manufactured by a controlled enzymatic hydrolysis of soybean meals.

Description

Fine beige powder easily soluble in water.
Soy Peptone A2 SC contains a mix of peptides and free amino acids.
Soy Peptone A2 SC is manufactured with raw materials from vegetal origin only.
Soy Peptone A2 SC 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
Solubility in water at 5 %	Complete
pH (5 % solution)	6.6 – 8.0
Loss on drying	≤ 6 %
Total nitrogen TN	7.7 – 10.2 %
α-amino nitrogen AN	2.3 – 3.3 %
AN/TN x 100	23 – 43
Residue on ignition	≤ 20 %
Chloride (as NaCl)	≤ 1 %

Microbiology

	Standard
Total aerobic microbial count	≤ 1 000 /g
Coliforms	≤ 10 /g
Escherichia coli	Absence /g
Salmonella	Absence / 25 g
Staphylococcus aureus	Absence / 10 g
Yeast and moulds	≤ 20 /g

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Typical data

Molecular weight distribution	g/100g
> 10 000 daltons	0.0
1 000 - 10 000 daltons	3.3
500 - 1 000 daltons	23.1
300 - 500 daltons	39.0
150 - 300 daltons	18.3
< 150 daltons	16.4
Average Molecular Weight	**430 daltons**

Amino Acids		Free (g/100g)
Alanine	Ala	0.4
Arginine	Arg	1.9
Aspartic Acid	Asp	0.2
Cysteine	Cys	0.3
Glutamic acid	Glu	0.7
Glycine	Gly	0.7
Histidine + Glutamine	His + Gln	0.5
Isoleucine	Ile	0.2
Leucine	Leu	1.8
Lysine	Lys	1.6
Méthionine	Met	0.6
Phénylalanine	Phe	0.7
Proline	Pro	0.1
Sérine + Asparagine	Ser + Asn	1.0
Thréonine + Citruline	Thr + Cit	0.3
Tryptophane	Trp	0.5
Tyrosine	Tyr	0.7
Valine	Val	0.4

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: 5kg 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.