

Edition 2008/04  
Replace Ed. 2006/05

# Soy Peptone E110 AI885

## Definition

Soy Peptone E110 is manufactured by a controlled enzymatic hydrolysis of soy.

## Description

Fine cream powder easily soluble in water.

Soy Peptone E110 contains a mix of peptides and free amino acids.

Soy Peptone E110 is manufactured with raw materials from vegetal origin only.

Soy Peptone E110 is guaranteed "non GMO" according to the European Regulations 1829/2003 and 1830/2003.

## Use

Source of organic nitrogen and growth factors recommended in media for:

- Analytical microbiology
- Industrial fermentation.

## Physico-chemical characteristics

	Standard
Solubility in water at 5 %	Complete
pH (5 % solution)	6.4 – 7.4
Loss on drying	≤ 10 %
Total nitrogen TN	8.8 -10.1 %
α- amino nitrogen AN	3.0 - 3.8 %
AN/TN x 100	30 - 43
Residue on ignition	≤ 20 %
Chloride (as NaCl)	≤ 2.0 %

## 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
Yeasts and moulds	≤ 20 /g



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Il est de la responsabilité des utilisateurs de conduire leurs propres tests pour déterminer les conditions d'utilisations selon leurs usages spécifiques.

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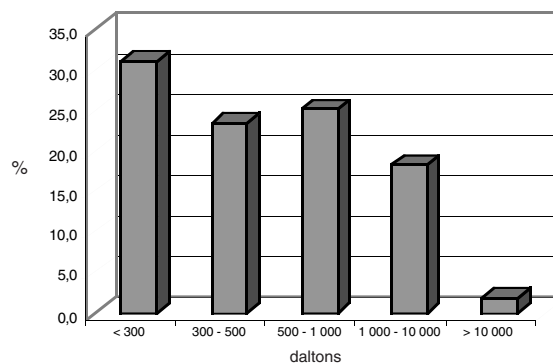
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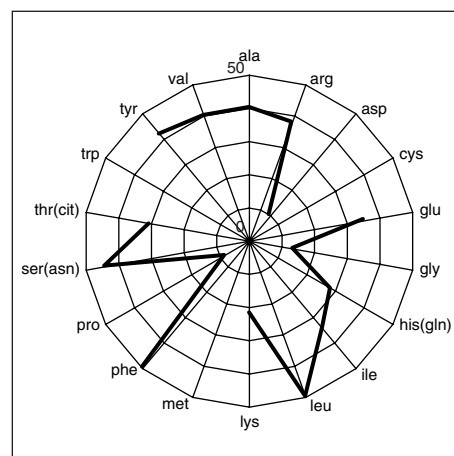
## Typical data

Molecular weight distribution	g / 100 g
> 10 000 daltons	1.9
1 000 - 10 000 daltons	18.5
500 - 1 000 daltons	25.2
300 - 500 daltons	23.5
< 300 daltons	31.1
<b>Average Molecular Weight</b>	<b>1 206 daltons</b>



Molecular weight distribution

Amino Acids		Total - T (g/100 g)	Free - F (g/100 g)	F/T x 100
Alanine	Ala	2.5	1.0	40
Arginine	Arg	3.4	1.3	38.2
Aspartic acid	Asp	5.2	0.5	9.6
Cysteine	Cys	-	0.1	-
Glutamic acid	Glu	12.6	4.4	34.9
Glycine	Gly	2.2	0.3	13.6
Histidine + Glutamine	His+Gln	1.4	0.4	28.6
Isoleucine	Ile	2.3	0.8	34.8
Leucine	Leu	3.4	1.7	50.0
Lysine	Lys	3.7	0.8	21.6
Methionine	Met	-	0.3	-
Phenylalanine	Phe	2.2	1.1	50.0
Proline	Pro	2.3	0.2	8.7
Serine + Asparagine	Ser+Asn	2.5	1.1	44.0
Threonine + Citruline	Thr+Cit	2.0	0.6	30.0
Tryptophan	Trp	-	0.3	-
Tyrosine	Tyr	1.2	0.5	41.7
Valine	Val	2.5	1.0	40.0



Amino Acids F/T x 100

## 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 (under validation).

## Health and safety information

Dusty powder.

Avoid inhalation.

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