## Specification

Culture Media Ingredient.

## Description

Soy peptone is a proteic hydrolysate obtained by papaic digestion of soy flour. It complies with the USP/NFXX specifications for these type of products. Due to its high content of sugar it is not recommendable for fermentation assays. It is a useful compound in laboratory culture media.

This product does not contain any material or manufacturing auxiliaries of animal origin. Is conform with European Regulations (EC) 1829/2003 and 1830/2003 regarding GMO.

The manufacturing process includes a heating step at 95º C for a minimum of 5 minutes and instantaneous heating at 170 ºC minimum on spray drying. (Note: These parameters can be changed and specified in the Certificate of Analysis for each batch).

## Physico-chemical characteristics

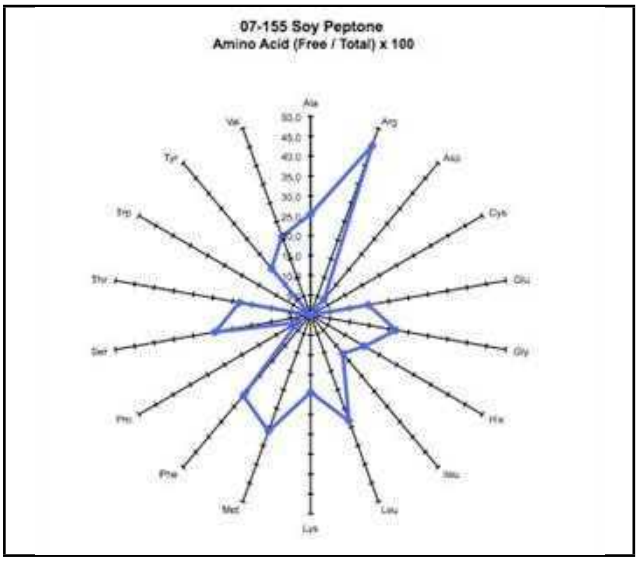
| | |
|---|---|
| Appearance podwer | Yellow to beige |
| Solubility in water 5% | Total |
| Stability after autoclave | No precipitate |
| Loss on drying (% moisture) | ≤ 6,00 |
| pH (solution 2%) | 6,5 -7,5 |
| Amino Total TN (% w/w) | 9,0 - 11 |
| Amino Nitrogen AN (% w/w) | 2,0 - 3,5 |
| Chlorides (NaCl)(%) | Max. 1,0 |
| Residue on ignition (%) | Max. 21,0 |

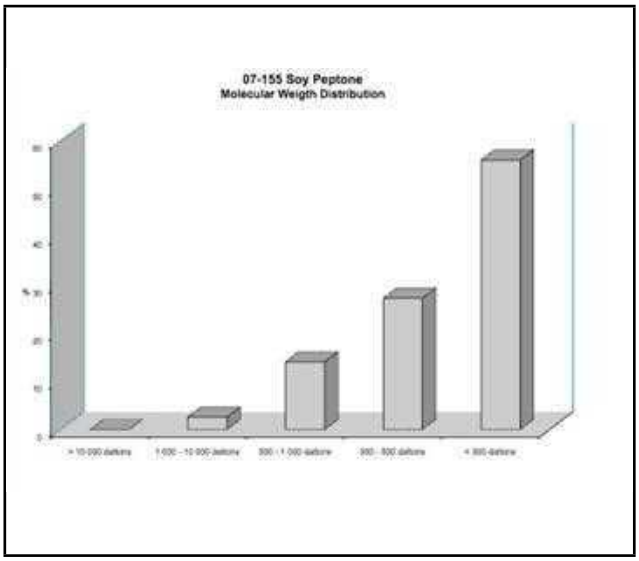
## Microbiological limits

| | |
|---|---|
| Total aerobic microbial count | < 10000 CFU/g |
| Coliforms | < 10 CFU/g |
| Moulds and yeasts | < 20 CFU/g |
| *Staphylococcus aureus* | absent in 10 g |
| *Escherichia coli* | absent in 10 g |
| *Salmonella spp* | absent in 25 g |

## Amino Acids (Total g/100 g)

| | | |
|---|---|---|
| Alanine 2.9 | Isoleucine 2.3 | Valine 2.6 |
| Arginine 3.7 | Proline 3.0 | Lysine 4.0 |
| Aspartic acid 6.2 | Serine 2.7 | Methionine 0.8 |
| Cystine 1.3 | Threonine 2.4 | Histidine 1.3 |
| Glutamic aicid 10.2 | Tryptophan 0.7 | Leucine 4.0 |
| Glycine 2.7 | Tyrosine 1.9 | Phenylalanine 2.5 |



## Storage

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4 ºC to 30 ºC).