

Specification

Culture Media Ingredient.

Description

Soy peptone is a protein hydrolysate obtained by papaic digestion of soy flour. It complies with the Pharmacopeial specifications for these type of products, and it is a useful compound in laboratory culture media. However, due to its high sugar content it is not recommended for fermentation assays.

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

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

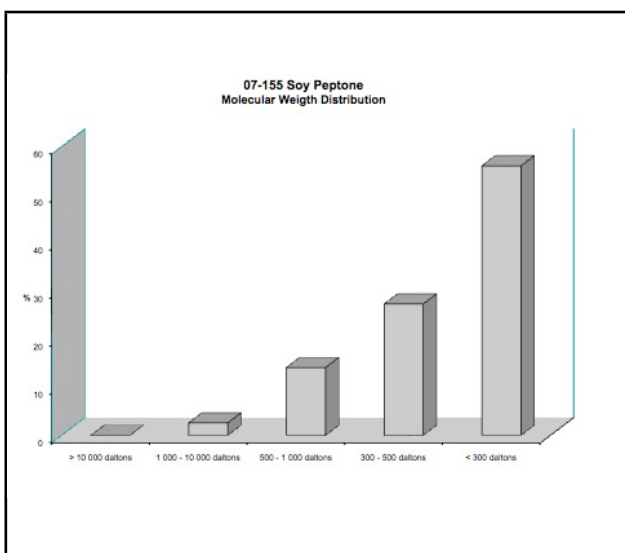
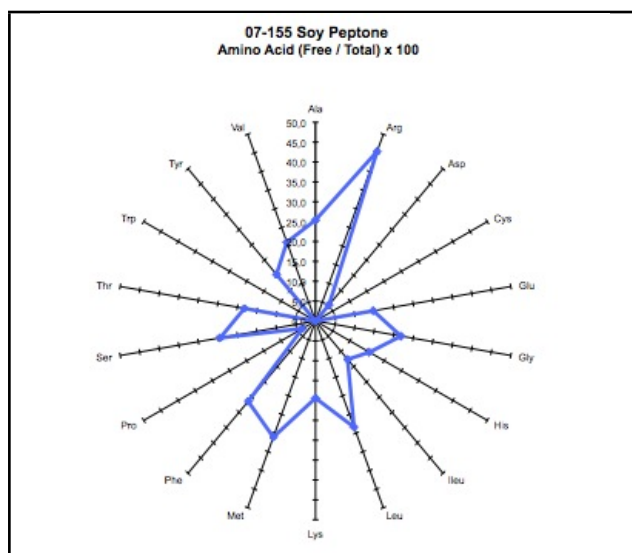
Physico-chemical characteristics

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
<i>Staphylococcus aureus</i>	absent in 10 g
<i>Escherichia coli</i>	absent in 10 g
<i>Salmonella spp</i>	absent in 25 g

Amino Acids/Molecular weight distribution



Storage

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