

TECHNICAL SHEET

BI720

Soya Peptone (Soyabean Digest)

Specifications

Appearance: Light yellow to brownish yellow, homogeneous free flowing powder characteristic odour but not putrescent.

Total Nitrogen : Not less than 9.0%
 α – Amino nitrogen : Not less than 1.8%
 Moisture : Not more than 5.0%
 Ash : Not more than 14.0%
 Sodium chloride : Not more than 5.0%
 Carbohydrates : Not more than 32.0%

Clarity (1% solution) : Clear

pH (2% solution) : 5 – 7

Microbial Load:(CFU/g)

Total aerobic microbial count by plate method when incubated at 30-35 °c for 48 hours

Bacterial count : NMT 5000

Total Yeast and mold count by plate method when incubated at 20-25 °c for 120 hours

Yeast and mold count : NMT 250

Test for specific organisms

E. coli : Absent
 Salmonella species : Absent
 Pseudomonas aeruginosa : Absent
 Staphylococcus aureus : Absent

Indole Test: Tryptophan content: Passes

Cultural response: Cultural response observed after incubation for bacterial at 35-37°C for 18-24 hours and for fungal at 20-25°C for upto 4 days by preparing Soyabean Casein Digest Medium (B040) using Soya Peptone as an ingredient.

MICROORGANISM (ATCC)	GROWTH
Escherichia coli (25922,8379,NTCC 9002)	Luxuriant
Pseudomonas aeruginosa (27853, 9027)	Luxuriant
Salmonella abony (6017)	Luxuriant
Staphylococcus aureus (25923, 6538)	Luxuriant
Bacillus subtilis (6633)	Luxuriant
Candida albicans (10231)	Luxuriant
Micrococcus luteus (9341)	Luxuriant

Applications:

Soya Peptone is the soluble end product of the enzymic digestion of soyabean meal by papain. Because of the stimulatory properties associated with soya peptone, it is ideally recommended as a growth stimulant for the cultivation of fastidious microorganisms.

Precaution:

1. For Laboratory Use
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.

Storage: Below 30°C in cool, dry place.

Packing : 500 g

Disclaimer:

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