

BI 678

CASEIN ACID HYDROLYSATE**Specifications**

Appearance: Off white to light yellow colored, free flowing powder, homogenous, with characteristic odour but not putrescent.

Total Nitrogen : Not less than 7%
α – Amino nitrogen: Not less than 5.0%
Moisture : Not more than 5.0%
Ash : Not more than 40.0%
Sodium chloride: Not more than 37.0%

Clarity (2% solution): Clear

pH (2% solution) : 5 – 7

Indole test: Tryptophan content: Absent

Cultural response: Cultural response observed after incubation at 35 - 37°C for 18-48 hours by preparing Mueller Hinton Agar (B263), using Casein acid hydrolysate, as an ingredient, pH:7.3±0.1

Escherichia coli ATCC 25922: Luxuriant
Pseudomonas aeruginosa ATCC 27853: Luxuriant
Staphylococcus aureus ATCC 25923: Luxuriant
Enterococcus faecalis ATCC 29212: Luxuriant

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

Application

Casein acid hydrolysate is used for preparation of Antibiotic Test Media, like Mueller Hinton Agar and Vaccine Preparation Media as a source of high concentration of free amino acids. It contains all amino acids (except Tryptophan and Cystine which are destroyed during acid hydrolysis) present in milk protein and high sodium chloride content.

Precaution

For Laboratory Use

Follow proper, established laboratory procedures in handling and disposing of infectious materials.

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

Packing : 500 gm/ 5 kg/ 25kg

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARK LABORATORIES publications.

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