

BI126 YEAST EXTRACT POWDER

Specifications

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

Total Nitrogen : $\geq 10.50\%$
Amino nitrogen : $\geq 4.50\%$
Loss on drying : $\leq 6.0\%$
Residue on ignition : $\leq 15\%$
Sodium chloride : $\leq 5.0\%$

Clarity (2% solution): Clear

pH (2% solution) : 7.0 ± 0.5

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 at 35-37°C for 18-24 hours by preparing Plate Count Agar (B298) and using Yeast extract powder as an ingredient.

ORGANISM	GROWTH
Escherichia coli ATCC 25922	Luxuriant
Bacillus subtilis ATCC 6633	Luxuriant
Enterococcus faecalis ATCC29212	Luxuriant
Lactobacillus casei ATCC9595	Luxuriant
Staphylococcus aureus ATCC 25923	Luxuriant
Streptococcus pyogenes ATCC 19615	Luxuriant

Applications

Being rich in vitamins especially those of B complex is often used as growth supplement at 0.3 to 0.05 % .It is either used with Meat extract B Powder or as replacement of Meat extract B Powder. For preparation of media, for cultivation of microorganisms found in milk and dairy products.

Precaution

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

Storage : Below 30⁰c in cool, dry place.

Packing : 500g / 100g

Disclaimer:

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