

## Beef Extract Powder

Catalog : HB8272-3

Beef Extract Powder is a mixture of peptides and amino acids, nucleotide fractions, organic acids, minerals and some vitamins. Its function is to complement the nutritive properties of peptone by contributing minerals, phosphates, energy sources and those essential factors missing from peptone.

### Physical Parameters

Appearance  
Solution color  
Clarity (After autoclaving, 2% Solution)

### Specifications

Yellowish  
Yellowish  
Clear solution

### Chemical Characteristics

Amino Nitrogen (AN)  
Total nitrogen (TN)  
Loss on drying  
Ash  
pH(2% solution)

### Specifications

3-4%  
11.5-12.5%  
≤8%  
≤15%  
5.0-7.0

### Typical Analysis

3.67%  
11.92%  
6.22%  
11.77%  
6.62

### Microbial Load

Standard Plate Count  
Yeasts and molds  
Coliforms  
Salmonella  
Staphylococcus aureus

Less than 5000 CFU/g  
Less than 100 CFU/g  
Negative  
Negative  
Negative

### Growth Promotion Test

Cultural Characteristic observed in 1% Beef Extract, 0.5% Sodium Chloride and 1.5% agar after incubation at 35-37°C for 18-24 hours.

#### MICROORGANISMS

Staphylococcus aureus  
Escherichia coli  
Pseudomonas aeruginosa  
Bacillus subtilis  
Salmonella typhi  
Streptococcus pyogenes

#### ATCC

25923  
25922  
27853  
6633  
6539  
19615

#### GROWTH

Poor to Fair  
Good - Luxuriant  
Good - Luxuriant  
Poor to Fair  
Good - Luxuriant  
Good - Luxuriant

### Storage conditions and Shelf life:

Beef Extract Powder must be stored tightly capped in the original container at 5-30°C. It has a shelf life of 5 years from date of manufacturing.