



PRODUCT INFORMATION

Yeast Extract (Bacteriological Grade, Powder)

Powder : Cat# Y01PD-500 (Former Cat# Y1003-1001), Y01PD-10k
Granulated: Cat# Y02MG-500 (Former Cat# Y1006-1001), Y02MG-10k

Description

Yeast Extract is a water soluble extract of selected autolyzed yeast cells. It is rich in vitamins, especially B complexes, amino acids and other growth factors. It is used in many microbiological culture media formulations as an excellent growth source.

Chemical characteristics

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

Specifications

Minimum 4.5 %
Minimum 10 %
N/A
Maximum 5 %
Maximum 15 %
6.0 – 7.2

Typical analysis

5.4 %
10.7 %
50.46 %
3.30 %
9.5 %
6.8

Elemental profile

Calcium
Magnesium
Potassium
Sodium

0.1 %
0.1 %
5.7 %
0.3 %

Amino acids Total

Alanine
Arginine
Aspartic acid
Cystine
Glutamic acid
Glycine
Histidine
Isoleucine
Leucine
Lysine
Methionine
Phenylalanine
Proline
Serine
Threonine
Tryptophan
Tyrosine
Valine

(g/100g)

8.70
5.00
9.70
0.80
16.10
4.90
2.0
5.60
7.60
8.0
1.30
3.80
4.0
4.70
4.40
1.20
2.30
5.80

Growth supporting properties

Peptone agar

Satisfactory

Microbiological analysis

Standard plate count
Yeasts and molds
Coliforms
Salmonella

Less than 5000 col/g
Less than 100 col/g
Negative
Negative

