

Yeast Extract Powder

Catalog : HB8273

Yeast Extract Powder 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

	Specifications	Typical Analysis
Amino Nitrogen (AN)	4.5-5.8%	5.48%
Total nitrogen (TN)	10-12.5%	11.84%
AN/TN Ratio	N/A	50.46%
Loss on drying	Maximum 5%	4.41%
Sulfated Ash	Maximum 15%	12.98%
pH(0.5% solution)	6.8-7.2	6.89
Sodium Chloride	<0.5%	0.21%

Elemental Profile

Calcium	0.1%
Magnesium	0.1%
Potassium	5.7%
Sodium	0.3%

Amino acid

	Total (g/100g)
Alanine	8.70
Arginine	5.00
Aspartic acid	9.70
Cystine	0.80
Glutamic acid	16.10
Glycine	4.90
Histidine	2.0
Isoleucine	5.60
Leucine	7.60
Lysine	8.0
Methionine	1.30
Phenylalanine	3.80
Proline	4.0
Serine	4.70
Threonine	4.40
Tryptophan	1.20
Tyrosine	2.30
Valine	5.80

Growth Supporting Properties

Peptone agar	Satisfactory
--------------	--------------

Microbiological Analysis

Standard Plate Count	Less than 5000 CFU/g
Yeasts and molds	Less than 100 CFU/g
Coliforms	Negative
Salmonella	Negative
Staphylococcus aureus	Negative