

YEAST EXTRACT

Cat# Y1003-1001



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	Specifications	Typical analysis
Amino Nitrogen (AN)	Minimum 4.5 %	5.4 %
Total Nitrogen (TN)	Minimum 10 %	10.7 %
AN/TN Ratio	N/A	50.46 %
Loss on drying	Maximum 5 %	3.30 %
Ash	Maximum 15 %	9.5 %
pH (2% solution)	6.0 – 7.2	6.8

Elemental profile

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

Amino acids

	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
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Microbiological analysis

Standard plate count	Less than 5000 col/g
Yeasts and molds	Less than 100 col/g
Coliforms	Negative
Salmonella	Negative