



PRODUCT SPECIFICATION SHEET

YEAST EXTRACT

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

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