

YEAST EXTRACT

CAT. N°: 151

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

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 5.0%	3.3%
Ash	Maximum 15.0%	9.5%
pH (2% solution)	6.5 - 7.2	6.8

ELEMENTAL PROFILE

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

AMINO ACIDS

TOTAL g/100 g

Alanine	8.70
Arginine	5.00
Aspartic acid	9.70
Cystine	0.80
Glutamic acid	16.10
Glycine	4.90
Histidine	2.00
Isoleucine	5.60
Leucine	7.60
Lysine	8.00
Methionine	1.30
Phenylalanine	3.80
Proline	4.00
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 CFU/g
Yeasts and molds	Less than 100 CFU/g
Coliforms	Negative
Salmonella	Negative