

PRODUCT 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.

POTENCIAL APPLICATIONS:

It is used in many microbiological culture media formulations as an excellent growth source.

PHYSICAL CHARACTERISTICS:

Fine, straw yellow to light brown colored powder.

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 5,0%	5.8%
Total Nitrogen (TN)	Minimum 10%	10.9%
AN/TN	N/A	53.2%
Loss on drying	Maximum 6,0%	2.9%
Ash	Maximum 15,0%	10.7%
pH (2% solution)	5,3 – 7,2	6.87%

Microbiological Characteristics	Specifications	Minerals	Typical Value
Standard plate count	Less than 5,000 CFU/g	Calcium	0.2%
Yeasts and molds	Less than 100 CFU/g	Magnesium	0.1%
Coliforms	Negative	Potassium	9.1%
Salmonella	Negative	Sodium	2.0%

Growth Supporting Properties: satisfactory (according to internal controls)

Bacterial	ATCC
<i>Escherichia coli</i>	25922
<i>Staphylococcus aureus</i>	25923
<i>Shigella flexneri</i>	12022
<i>Pseudomonas aeruginosa</i>	27853
<i>Enterococcus faecalis</i>	29212
<i>Streptococcus pyogenes</i>	19615
<i>Streptococcus pyogenes</i>	49117
<i>Streptococcus pneumoniae</i>	6305

PACKAGING

The dry product is packed in polyethylene bag inside of reinforced cardboard bags.
 20 kg

STORAGE

Keep in original packaging closed, in a dry and cool place.
 Hygroscopic product.

RETEST

5 years after its manufacturing date.

CERTIFICATIONS

ISO 9001
 SADER-SENASICA

Amino acid	g/100g
Glutamic acid	12.51
Alanine	9.83
Aspartic acid	6.60
Lysine	4.76
Leucine	4.40
Valine	4.35
Arginine	3.67
Proline	3.32
Isoleucine	3.19
Glycine	3.11
Threonine	2.99
Serine	2.96
Phenylalanine	2.59
Tyrosine	1.79
Histidine	1.45
Cystine	0.97
Methionine	0.45

