

**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 powder, cream to yellow colored and no foreign particles.

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 4,50%	5,40%
Total Nitrogen (TN)	Minimum 10,00%	10,70%
AN/TN	N/A	50,50
Loss on drying	Maximum 5,00%	3,30%
Ash	Maximum 15,00%	9,50%
pH (2% solution)	6,00 – 7,20	6,80

Microbiological Characteristics	Specifications	Minerals	Typical Value
Standard plate count	Less than 5000 CFU/g	Calcium	0,1%
Yeasts and molds	Less than 100 CFU/g	Magnesium	0,1%
Coliforms	Negative	Potassium	5,7%
Salmonella	Negative	Sodium	0,3%

**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 packaged in polyethylene bags into reinforced fiber board drums.  
 25 kg | 50 kg

**STORAGE**

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

**RETEST**

4 years after its manufacturing date.

**CERTIFICATIONS**

ISO 9001  
 SADER-SENASICA

Amino acid	g/100g
Glutamic acid	16,10
Aspartic acid	9,70
Alanine	8,70
Lysine	8,00
Leucine	7,60
Valine	5,80
Isoleucine	5,60
Arginine	5,00
Glycine	4,90
Serine	4,70
Threonine	4,40
Proline	4,00
Phenylalanine	3,80
Tyrosine	2,30
Histidine	2,00
Methionine	1,30
Tryptophan	1,20
Cystine	0,80

