

PRODUCT DESCRIPTION:

The yeast extract powder contains a high concentration of amino acids and peptides. It is rich in soluble vitamins, minerals, nucleic acids, and other growth factors. Its salt content is less than 1%.

POTENCIAL APPLICATIONS:

It is used in various types of lactic acid fermentation processes including cultures, pharmaceuticals, and bioremediation.

PHYSICAL CHARACTERISTICS:

Fine powder from straw yellow to light brown.

Chemical Characteristics	Specifications	Typical Value
Amino Nitrogen (AN)	Minimum 4,70%	4,90%
Total Nitrogen (TN)	Minimum 9,00%	12,80%
AN/TN	N/A	38,28
Loss on drying	Maximum 5,00%	3,60%
Ash	Maximum 15,00%	5,90%
pH (2% solution)	5,50 – 7,00	6,20

Microbiological Characteristics	Specifications	Minerals	Typical Value
Standard plate count	Less than 5000 CFU/g	Calcium	0,164%
Yeasts and molds	Less than 100 CFU/g	Magnesium	0,00123%
Coliforms	Negative	Potassium	0,0265%
Salmonella	Negative	Sodium	0,678%

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	STORAGE	RETEST	CERTIFICATIONS
The dry product is packaged in polyethylene bags into reinforced fiber board drums. 25 kg 50 kg	Keep in original packaging closed, in a dry and cool place. Hygroscopic product.	4 years after its manufacturing date.	ISO 9001 SADER-SENASICA

Amino acid	g/100g
Glutamic acid	10,30
Aspartic acid	6,80
Alanine	4,70
Lysine	4,70
Leucine	4,30
Valine	3,40
Serine	3,20
Isoleucine	3,10
Arginine	3,00
Phenylalanine	2,70
Histidine	2,70
Glycine	2,60
Proline	2,20
Threonine	1,80
Tyrosine	1,50
Tryptophan	1,00
Methionine	0,90

