

YEAST EXTRACT

YEEX-1MB-500

- **Principle**

Yeast Extract Bioprocess Grade is obtained by autolysis of primary grown *Saccharomyces cerevisiae*.

It is rich in proteins, peptides, amino acids, nucleotides, vitamins, trace elements and low endotoxin. Its nutrients promote the growth and metabolism of microorganisms and cells.

Yeast Extract Bioprocess Grade meet the requirements of high-end bio-fermentation such as genetically engineered pharmaceuticals, hyaluronic acids, vaccines, etc.

An important characteristic is the high performance, cost-effective, consistent between different batches which meet the requirements of the high-end bio-fermentation, laboratory culture media and microbiology test.

Widely used in large scale industry fermentation, such as amino acids, probiotics, starter culture, organic acids, antibiotics, enzymes, vitamins and other bio-based products.

- **Physical-chemical characteristics**

Description	Specification
Ash	<15%
Moisture	<6%
Amino Nitrogen (AN)	>5%
Total Nitrogen (TN)	>10%
pH (2% solution)	6.8-7.2
Arsenic	<0.5 mg/kg
Lead	<1.0 mg/kg
Chlorides (as NaCl)	<1%

- **Amino acids**

Amino acid	Total (g/100g)
Aspartic Acid	6.70
Arginine	3.20
Glutamic Acid	12.40
Histidine	1.20
Isoleucine	3.20
Leucine	4.60
Serine	2.80
Valine	3.70
Alanine	7.80
Cysteine	1.30
Lysine	4.60
Methionine	0.70

Phenylalanine	2.50
Proline	2.20
Threonine	2.80
Tyrosine	1.40
Glycine	2.80

- **Microbiological test**

Description	Specification
Aerobic count	<5,000 CFU/g
Coliforms	<0.3 MPN/g
Salmonella	Negative/25g
<i>Staphylococcus aureus</i>	Negative/25g
Shigella	Negative/25g

- **Storage**

The product is highly hygroscopic; keep the container always closed and store it properly as per the conditions mentioned on the label. The declared expiry is valid only when stored as per the conditions mentioned on the label. Temp. Min.:2 °C Temp. Max.:25 °C.

Note: Sterilize media immediately after reconstitution.

- **Product use limitation**

This product is developed, designed and supplied exclusively for research use only. It is not intended for diagnostic applications or drug development, and it is not suitable for administration to humans or animals.