

Product name

Angel Yeast Extract LD07

Definition

Angel yeast extract LD07 is a kind of liquid product which is obtained by autolysis of primary grown *Saccharomyces cerevisiae* yeasts.

Description

Yellow to brown, liquid form, soluble in water.

Rich in Peptides, Amino acids, Vitamins, Nucleotides, Trace elements.

Application

As a kind of nitrogen source in culture media, can be widely used in below applications:

Laboratory culture media and microbiology test.

Industry fermentation such as Amino acids, Nucleotides, Organic acids, Enzymes, etc.

Certification

Kosher, Halal, ISO9001, ISO14001, ISO22000, Sedex, BRC, CNAS

Physical-chemical characteristics

| Item | Data |
|--------------------------------|---------------------------------|
| Solubility (%) | 0-2% , Totally soluble in water |
| pH (2%) | 4.0 ~ 6.0 |
| Moisture (%) | 45.0% ~ 49.0% |
| Total nitrogen (Dry matter, %) | ≥10.0% |
| Amino nitrogen (Dry matter, %) | ≥4.0% |
| Ash (%) | ≤15.0% |
| NaCl (%) | ≤2.0% |

Angel Yeast Co., Ltd.

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Microbiological characteristics

| Item | Data |
|-----------------------|--------------|
| Aerobic Count (cfu/g) | ≤10000 |
| Coliforms (MPN/g) | ≤0.3 |
| Salmonella | Negative/25g |
| Staphylococcus aureus | Negative/25g |
| Shigella | Negative/25g |

Heavy metals

| Item | Data |
|-----------------|------------|
| Lead (mg/kg) | ≤1.0mg/kg |
| Arsenic (mg/kg) | ≤0.5mg/kg |
| Mercury (mg/kg) | ≤0.5 mg/kg |

Amino acid composition (For reference only)

| Amino acids | Free amino acids (%) | Total amino acids (%) |
|---------------|----------------------|-----------------------|
| Aspartic acid | 0.9 | 3.7 |
| Threonine | 1.0 | 1.6 |
| Serine | 0.9 | 1.4 |
| Glutamic acid | 4.6 | 7.9 |
| Glycine | 0.5 | 1.7 |
| Alanine | 2.7 | 3.2 |
| Cystine | 0.9 | 1.2 |
| Valine | 1.3 | 2.0 |
| Methionine | 0.4 | 0.5 |
| Isoleusine | 1.1 | 1.8 |
| Leucine | 1.9 | 2.8 |
| Tyrosine | 1.8 | 1.8 |
| Phenylalanine | 1.4 | 1.6 |
| Lysine | 1.0 | 2.6 |
| Histidine | 0.4 | 0.7 |
| Arginine | 0.9 | 1.7 |

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| | | |
|---------|-----|-----|
| Proline | 0.3 | 0.8 |
| Total | 22 | 37 |

Packaging and Storage

Packaging: 1000KG/TANK

Store condition: Stored in cool and dry place Shelf life: 6 months

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