

Product name

Angel Yeast Extract FM505

Definition

Angel yeast extract FM505 is a kind of yeast extract powder which is obtained by autolysis of primary grown *Saccharomyces cerevisiae* yeasts.

Description

Light beige to yellow, powder form, soluble in water. Rich in nucleotides

Application

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

Industry fermentation such as probiotics, etc..

Certification

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

Physical-chemical characteristics

Item	Data
Solubility (%)	0-2%, not totally soluble in water
pH (2%)	5.3-7.2
Moisture (%)	≤6.0%
Total nitrogen (Dry matter, %)	≥9.0%
Amino nitrogen (Dry matter, %)	≥3.0%
Ash (%)	≤12.0%
NaCl (%)	≤2.0%

Microbiological characteristics

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

Angel Yeast Co., Ltd.

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Heavy metals

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

Average vitamin composition (For reference only)

Item	Data (mg / kg)
VB ₁	12.7
VB ₂	62.4
VB ₅	192
VB ₆	18.3
VB ₇	4.5
VB ₉	32.7
VB ₁₂ (ug/100g)	2.3
Choline	2045
Inositol	1578
Nicotinic acid	347

Minerals (For reference only)

Item	Data (mg / kg)
K	37022
Na	2950
Ca	792
Mg	2013
Zn	102
Fe	28

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Amino acid composition (For reference only)

Amino acids	Free amino acids (%)	Total amino acids (%)
Ala	4.9	7.4
Arg	1.1	3.4
Asp	1.3	6.5
Cys	0.1	1.5
Glu	3.7	10.9
Gly	0.1	2.2
His	0.1	0.8
Ile	0.2	2.3
Leu	0.2	2.1
Lys	0.7	4.2
Met	0.2	0.8
Phe	0.4	1.8
Pro	0.1	1.8
Ser	0.3	1.9
Thr	0.5	2.3
Tyr	1.8	3.2
Val	0.9	3.1
Total	16.6	56.1

Nucleotides composition(For reference only)

Nucleotides	Content (%)
5'IMP	1.9
5'GMP	1.7
5'UMP	1.0
5'CMP	0.7

Packaging and Storage

Packaging: 20KG/BAG Sealed kraft paper bag with PE liner

Store condition: Stored in cool and dry place Shelf life: 24 months

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