

Product name

Angel Yeast Extract FP101

Definition

Angel yeast extract FP101 is a kind of powder product which is obtained by autolysis of high-protein primary grown *Saccharomyces cerevisiae* yeasts.

Description

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

Rich in small Peptides, balanced Proteins, 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.

Replacement of animal or vegetable origin peptone.

Industry fermentation such as Probiotics, PUFA, Nucleoside, Biopharmaceuticals, etc.

Certification

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

Physical-chemical characteristics

Item	Data
Solubility (%)	0-2%, Totally soluble in water
pH (2%)	5.3-7.2
Moisture (%)	≤6.0%
Total nitrogen (Dry matter, %)	≥10.0%
Amino nitrogen (Dry matter, %)	≥2.5%
Ash (%)	≤15.0%
NaCl (%)	≤2.0%

Angel Yeast Co., Ltd.

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Microbiological characteristics

Item	Data
Aerobic Count (cfu/g)	≤50000
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

Average vitamin composition (For reference only)

Item	Data (mg / kg)
VB ₁	1.2
VB ₂	8.8
VB ₅	27
VB ₆	18.3
VB ₇	4.49
VB ₉	50.1
VB ₁₂ (ug/100g)	0.23
Choline	332
Inositol	479.5
Nicotinic acid	240

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Minerals (For reference only)

Item	Data (mg / kg)
K	35452
Na	3180
Ca	1041
Mg	1995
Zn	49
Fe	24

Amino acid composition (For reference only)

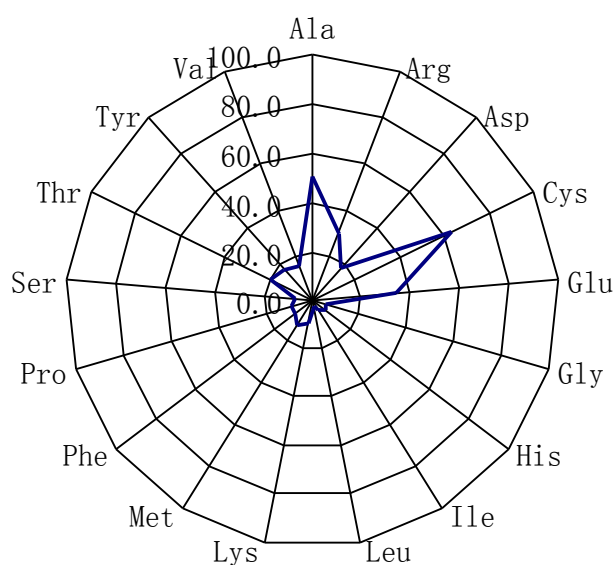
Amino acids	Free amino acids (%)	Total amino acids (%)
Ala	3.0	6.0
Arg	0.9	3.2
Asp	1.4	8.0
Cys	1.3	2.1
Glu	4.8	14.0
Gly	0.2	2.8
His	0.1	1.2
Ile	0.1	2.3
Leu	0.1	3.6
Lys	0.4	4.5
Met	0.1	0.7
Phe	0.2	2.0
Pro	0.2	2.2
Ser	0.2	2.9
Thr	0.5	2.9
Tyr	0.3	1.9
Val	0.4	3.0
Total	14.3	63.4

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Free Amino acids / Total Amino acids $\times 100$

Molecular weight distribution (For reference only)

Range / Da	%
>2000	0.02
2000-1000	1.78
1000-400	47.19
400-180	40.10
<180	10.91

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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