
Product name

Angel Yeast Extract FM803

Definition

Angel yeast extract FM803 is a kind of powder product which is obtained by autolysis of primary grown *Saccharomyces cerevisiae* yeasts.

Description

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

Rich in Free amino acids, balanced Peptides, Vitamins, Nucleotides, Trace elements.

Application

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

Lactobacillus and amino acid-deficient stains

Primary metabolites

Laboratory culture media and microbiology test.

Industry fermentation such as Probiotics, 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%)	5.3-7.2
Moisture (%)	≤6.0%
Total nitrogen (Dry matter, %)	≥10.0%
Amino nitrogen (Dry matter, %)	≥5.0%
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

Average vitamin composition (For reference only)

Item	Data (mg / kg)
VB ₁	2.7
VB ₂	45.7
VB ₅	89.4
VB ₆	12.6
VB ₇	6.37
VB ₉	27.6
VB ₁₂ (ug/100g)	0.23
Choline	2249.5
Inositol	2027.3
Nicotinic acid	222.2

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Minerals (For reference only)

Item	Data (mg / kg)
K	29377
Na	2590
Ca	443
Mg	2234
Zn	125
Fe	34

Amino acid composition (For reference only)

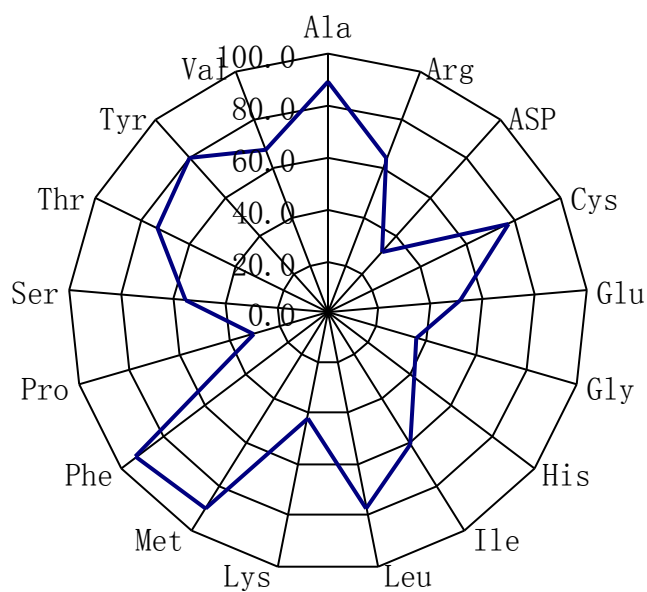
Amino acids	Free amino acids (%)	Total amino acids (%)
Ala	6.3	7.1
Arg	2.2	3.4
ASP	2.2	6.9
Cys	1.3	1.6
Glu	5.3	10.5
Gly	0.9	2.7
His	0.5	1.2
Ile	1.8	2.9
Leu	3.3	4.3
Lys	1.9	4.6
Met	0.8	0.9
Phe	2.1	2.2
Pro	0.7	2.2
Ser	1.6	2.9
Thr	2.1	2.8
Tyr	1.5	1.9
Val	2.4	3.5
Total	36.8	61.7

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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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