
Product name

Angel Yeast Extract FM888

Definition

Angel yeast extract FM888 is an ultra-filtrated 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, Peptides, Vitamins, Nucleotides, Trace elements.

Application

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

Laboratory culture preservation, propagation of microorganisms, diagnostic medium, high value-added Industry fermentation such as vaccines, recombinant proteins, Interferons, hyaluronic acids, etc.

Certification

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

Physical-chemical characteristics

Item	Data
Solubility (%)	0-30%, Totally soluble in water
pH (2%)	6.8-7.2
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.

Address: 168 Chengdong Avenue, Yichang, Hubei 443003, China. 443003

Tel: +86-717-6369227 Fax: +86-717-6368757 Contact person: Mr. James Hong

E-mail: hongmz@angelyeast.com; jameshongchina@gmail.com web site: <http://en.angelyeast.com>

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
VB ₁	2.3
VB ₂	38.8
VB ₅	115.0
VB ₆	18.0
VB ₇	7.9
VB ₉	26.7
VB ₁₂ (μg/100g)	0.23
Choline	3206.0
Inositol	1577.7
Nicotinic acid	328.0

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Molecular weight distribution (For reference only)

Range / Da	%
>2000	0.6
2000-1000	1.14
1000-400	20.06
400-180	56.55
<180	21.65

Amino acid composition (For reference only)

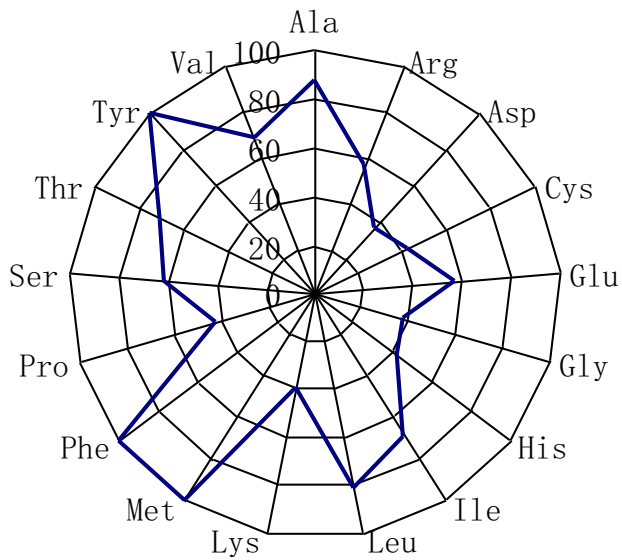
Amino acids	Free amino acids (%)	Total amino acids (%)
Asp	2.4	6.7
Ala	6.8	7.8
Arg	1.8	3.2
Cys	0.5	1.3
Glu	7.1	12.4
Gly	1.1	2.8
His	0.5	1.2
Ile	2.2	3.2
Leu	3.8	4.6
Lys	1.8	4.6
Met	0.7	0.7
Phe	2.5	2.5
Pro	0.9	2.2
Ser	1.7	2.8
Thr	2.0	2.8
Tyr	1.4	1.4
Val	2.5	3.7
Total	39.9	64.1

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

Documentation

The test data of physical and chemical characteristics of the product are attached to each batch of products, and the reported value of the batch shall prevail. Product composition characteristic data, microbial application testing, and other relevant data can be provided by contacting technical support personnel according to your needs.

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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