
Product name

Angel Yeast Extract FM888

Definition

Angel yeast extract FM888 is a kind of 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%)	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	2.3
VB ₂	38.8
VB ₅	115
VB ₆	18
VB ₇	7.9
VB ₉	26.7
VB ₁₂ (ug/100g)	0.23
Choline	3206
Inositol	1577
Nicotinic acid	328

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Minerals (For reference only)

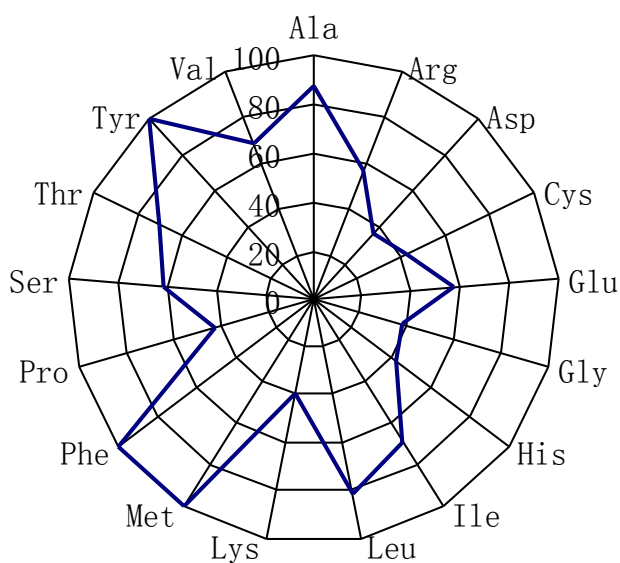
Item	Data (mg / kg)
K	31911
Na	5738
Ca	355
Mg	2673
Zn	81
Fe	80

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 $\times 100$

Molecular weight distribution (For reference only)

Range / Da	%
>2000	0.01
2000-1000	2.09
1000-500	11.11
500-180	17.05
<180	69.74

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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