
Product name

Angel Yeast Extract CM01

Definition

Angel yeast extract CM01 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 Cell culture, Vaccines, Recombinant proteins, Interferons, Hyaluronic acids, etc.

Certification

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

Physical-chemical characteristics

Item	Data
Solubility (%)	0-40%, 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%
Endotoxin (EU/g)	≤500

Angel Yeast Co., Ltd.

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Tel: +86-717-6369227 Fax: +86-717-6368757 Contact person: Mr. Johnny Yin

E-mail: yinqiang@angelyeast.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 (mg / kg)
VB ₁	2.6
VB ₂	37.2
VB ₅	122
VB ₆	24
VB ₇	6.6
VB ₉	29.1
VB ₁₂ (ug/100g)	0.31
Choline	3001
Inositol	1443
Nicotinic acid	299

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Minerals (For reference only)

Item	Data (mg / kg)
K	37599
Na	19232
Ca	421
Mg	2149
Zn	77
Fe	43

Amino acid composition (For reference only)

Amino acids	Free amino acids (%)	Total amino acids (%)
Asp	1.7	6.1
Ala	5.7	7.3
Arg	2.1	3.5
Cys	0.2	0.3
Glu	4.9	10.5
Gly	0.9	2.8
His	0.5	1.3
Ile	1.7	2.9
Leu	2.9	4.0
Lys	1.9	4.7
Met	0.7	0.8
Phe	1.4	2.1
Pro	0.7	2.1
Ser	1.5	2.8
Thr	1.9	2.8
Tyr	0.9	1.5
Val	2.3	3.6
Total	31.9	59.1

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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

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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