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## Product name

Angel Yeast Extract FP103

### Definition

Angel yeast extract FP103 is a kind of powder product which is obtained by autolysis of high-protein primary grown *Saccharomyces cerevisiae* yeasts, it is a safe, stable and nutritionally complete peptone.

### Description

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

Rich in peptides, mainly small peptides and oligopeptides, with a balanced ratio of amino acids; Unlike traditional animal and plant peptones, it has no risks of pathogenicity, customary taboos, genetic modification, etc.

### 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, %)	≥13.0%
Amino nitrogen (Dry matter, %)	≥2.5%
Ash (%)	≤15.0%
NaCl (%)	≤2.0%

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### 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
VB <sub>1</sub>	1.2
VB <sub>2</sub>	40
VB <sub>5</sub>	N/A
VB <sub>6</sub>	0.2
VB <sub>7</sub>	3.12
VB <sub>9</sub>	50.1
Nicotinamide (μg/100g)	<40

**Amino acid composition (For reference only)**

Amino acids	Free amino acids (%)	Total amino acids (%)
Ala	2.48	4.98
Arg	0.56	2.80
Asp	1.59	8.90
Cys	0.00	0.38

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Glu	3.75	9.80
Gly	0.86	3.87
His	0.38	2.07
Ile	2.23	4.89
Leu	3.68	6.57
Lys	1.75	6.59
Met	1.07	1.45
Phe	1.72	4.06
Pro	0.77	3.36
Ser	1.37	3.32
Thr	1.86	3.97
Tyr	1.50	3.07
Val	2.43	5.49
Total	28.00	75.57

**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

**Technical support**

Tel : 0717-6369701

E-mail : [yef@angelyeast.com](mailto:yef@angelyeast.com)

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