

Edition 2018/01



Yeast Extract FB 19513

Definition

Yeast Extract FB is a primary grown Yeast Extract of *Saccharomyces cerevisiae*.

Yeast Extract FB is rich in complex B-vitamins such as thiamine, riboflavin, niacin and biotin.

Yeast Extract FB is used in many types of fermentations including lactic acid bacteria fermentations and pharmaceutical fermentations.

It is especially recommended for hard to grow pathogenic bacteria.

Description

Beige powder soluble in water.

Use

Source of organic nitrogen and growth factors recommended in media for:

- Industrial fermentation.

Physico-chemical characteristics

	Standard
Moisture (%)	≤ 6
pH (2 % solution)	5,8 – 6,8
Protein (N x 6,25) % on DM	≥ 62
Salt (NaCl) % on DM	≤ 1

Microbiology

	Standard
Total Plate Count	≤ 10 000 /g
Yeast	≤ 50 /g
Molds	≤ 50 /g
Coliforms	≤ 10 /g
<i>E. Coli</i>	Absence /g
<i>Staphylococcus aureus</i> (coag+)	Absence / g
<i>Salmonella</i>	Absence / 25 g

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Typical data

These are typical values per 100g product for indication purpose (no guarantees)

Amino acid profile (g)

	Total AA	Free AA
Aspartic acid	6.8	2.5
Glutamic acid	10.3	4.7
Alanine	4.7	2.7
Arginine	3.1	1.6
Phenylalanine	2.7	2.1
Glycine	2.7	1.0
Isoleucine	3.1	1.9
Hystidine	2.7	1.7
Leucine	4.3	3.3
Lysine	4.7	1.9
Proline	2.3	0.8
Serine	3.3	1.9
Tyrosine	1.5	1.5
Threonine	2.9	1.5
Valine	3.4	2.3
Cysteine	0.7	0.3
Methionine	0.9	0.8
Tryptophan	0.6	0.5

Molecular weight distribution (g/100g)

>10 000 daltons	4.0
10 000 - 6 512 daltons	2.0
6 512 – 1 355 daltons	19.5
1 355 – 307 daltons	17.0
<307 daltons	57.5

Vitamins

	mg
Thiamin HCL	min 36
Riboflavin	min 13
Niacin	min 650
Pyridoxine acid HCL	7
Folic acid	ND
Pantothenic acid	11
Biotin	min 2

Minerals

	mg
Iron	4.0
Magnesium	132
Manganese	2.0
Phosphorus	1280
Potassium	3600
Sodium	678
Zinc	12.3
Calcium	152

Heavy metals

Arsenic	< 2 ppm
Lead	< 2 ppm
Mercury	< 0,1 ppm
Cadmium	< 1 ppm

Documentation

The certificate of analysis is supplied with each delivery.

Packing and storage

20 kg kraft paper bag with polyliner..

Keep in original packaging closed when not in use, at room temperature in a dry area.

Best before: 2 years

Health and safety information

Dusty powder.

Avoid inhalation.

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