

TDS\_19515\_Rev01/Apr2023



## Yeast Extract BG 19515

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### Definition

Yeast Extract BG is a bacteriological grade primary grown Yeast Extract of the genus *Saccharomyces cerevisiae*.

### Description

Pale-yellow powder soluble in water.

Yeast Extract BG is micro filtered, it is highly soluble and easily filterable on 0,2 µm membrane. Yeast Extract BG contains a high level of protein in readily and easily absorbable pre-digested forms such as peptides and amino acids.

It also contains nucleic acids, vitamins, minerals and other growth factors.

### Use

Source of organic nitrogen, which can be used:

- in media for industrial fermentation,
- in in vitro diagnostic,
- in food, health and supplements industries.

### Physico-chemical characteristics

	Standard
Solubility in water at 2 %	Complete
pH (2 % solution)	6,2 – 7.2
Loss on drying	≤ 6 %
Total nitrogen TN	≥ 9,5 %
α-amino nitrogen AN	≥ 3,5%
Residue on ignition	≤ 16 %
Chloride (as NaCl)	≤ 1 %

### Microbiology

	Standard
Total aerobic microbial count	≤ 5 000 /g
Coliforms	≤ 10 /g
<i>Escherichia coli</i>	Absence /g
<i>Salmonella</i>	Absence / 25 g
<i>Staphylococcus aureus</i>	Absence / g
Yeast & Molds	≤ 100 /g



The information contained in this publication is based on our own research and development work and is to the best of our knowledge true and accurate.

Users should, however, conduct their own tests to determine the suitability of our products for their own specific purposes.

Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for the infringement of any patents.

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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
Histidine	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
Cystine	0.7	0.3
Methionine	0.9	0.8
Tryptophan	0.6	0.5

### Vitamins

	mg
Thiamin HCL	5.7
Riboflavin	5.2
Niacin	21
Pyridoxine acid HCL	0.3
Folic acid	0.1
Pantothenic acid	12
Biotin	0.07

### Minerals

	mg
Iron	4.0
Magnesium	100
Manganese	2.0
Phosphorus	1 280
Potassium	3 600
Sodium	1 000
Zinc	12.3
Calcium	50

## Documentation

The certificate of analysis is supplied with each delivery.

## Packing and storage

20 kg net corrugated board box with inner polyethylene bags.

Upon request: 5 kg plastic drum / 1 kg plastic bottle

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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