

**TECHNICAL DATA SHEET**

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# Nutritional Hydrolyzed Yeast Extract

## DESCRIPTION

The **Nutritional Hydrolyzed Yeast Extract** is an hydrolyzed yeast extract produced under a specific and controlled hydrolysis process of 100% active yeast, *Saccharomyces cerevisiae*. It is a concentrated source of soluble protein components, carbohydrates, and B complex vitamins, trace elements and other micronutrients natural to yeast. The Nutritional Hydrolyzed Yeast Extract can stimulate the production of proteins and cells and regenerate the scalp and has pronounced free radical trapping properties. It enhances barrier function of skin and minimizes the appearance of discolorations. This product is guaranteed to be Non-GMO, free of animal origin ingredient and Halal.

## APPLICATION

The **Nutritional Hydrolyzed Yeast Extract** is used as a supplement and is suitable for tabletizing. It is also used in skin- and body- care products, anti-aging creams and skin whitening formulas, for day and night use.

## BENEFITS

- Vegetarian
- Gluten-free
- Sugar and salt free
- Natural source of vitamin B
- Moisturizing and anti-inflammatory properties
- Improving skins elasticity and tone
- Enhancing barrier function of skin
- Activation of cell metabolism

## TYPICAL ANALYSIS

Dry Matter, % .....	Min. 94.0
Total Nitrogen, % .....	Min. 8.3
Crude Protein (N × 6.25), % .....	Min. 52.0
Nucleotide, % .....	Min. 8.0
Sodium Chloride, % .....	≤5.0
Ether Extract, % .....	1.3
Ash, % .....	Max. 8.0
pH .....	4.5-6.5

## AMINO ACID PROFILE

Alanine, % .....	4.21	Methionine, % .....	0.62
Arginine, % .....	2.28	Phenylalanine, % .....	2.23
Aspartic Acid, % .....	6.01	Tyrosine, % .....	1.88
Glycine, % .....	2.48	Threonine, % .....	2.15
Isoleucine, % .....	2.50	Tryptophan, % .....	0.47
Leucine, % .....	3.69	Valine, % .....	3.05
Glutamic Acid, % .....	8.71	Histidine, % .....	1.20
Lysine, % .....	4.61	Serine, % .....	2.01

## INORGANIC COMPONENTS

Sodium, % .....	0.77	Iron, ppm .....	201
Potassium, % .....	1.15	Copper, ppm .....	10.0
Calcium, % .....	0.17	Zinc, ppm .....	209
Phosphorous, % .....	1.15	Manganese, ppm .....	25
Magnesium, % .....	0.17	Selenium, ppm .....	4.22

## HEAVY METALS

Lead, ppm .....	< 1.0
Arsenic, ppm .....	< 0.5
Mercury, ppm .....	< 0.5
Cadmium, ppm .....	< 0.2

## VITAMINS

Thiamine (B1), ppm .....	84.60
Riboflavin (B2), ppm .....	43.10
Pantothenic (B5), ppm .....	202.06
Pyridoxine (B6), ppm .....	12.21
Biotin (B8), ppm .....	4.68
Folic Acid (B9), ppm .....	18.20
Cobalamin (B12), ppm .....	0.95
Inositol, ppm .....	Min. 1250

## MICROBIOLOGICAL CHARACTERISTICS

<i>E. coli</i> , CFU/g .....	Negative
<i>Salmonella</i> , /35g Sample .....	Negative
Yeast/Mold, CFU/g .....	< 100

## PHYSICAL CHARACTERISTICS

Appearance .....	Powder
Color .....	Light yellow
Aroma .....	Pleasant
Density, kg/m <sup>3</sup> .....	620.0

## PACKAGING

25 kg bags.

## STORAGE

## SHELF LIFE

12 months from manufacture date.

## CERTIFICATIONS

ISO 9001: Quality Management System  
 ISO 22000: Food Safety Management System  
 HACCP: Hazard Analysis and Critical Control Points  
 GMP: Good Manufacturing Practice



The information contained in this data sheet is accurate to the best of our knowledge at the indicated date and remains our property.