

## Biologically active preparation based on yeast biomass from the waste of beer industry

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**The purpose:** The elaboration of new biologically active preparation based on yeast biomass from the waste of beer industry



**The essence:** The invention relates to the field of ecology and microbial biotechnology, in particular to the production of a biologically active natural preparation from yeast biomass from wastes from the beer industry which can be used in various fields, including the livestock sector and the food industry.

**The advantage:** The preparation, obtained by freezing and thawing of the yeast biomass, autolysis of biomass in sodium phosphate buffer (1:1 ratio) at +45°C, for 8 hours, containing: proteins - 64,6±2,6%, carbohydrates - 11,7±2,2%, lipids - 0,13±0,02%, ash 13,5±1,4% and is characterized by a high summary contain of essential aminoacids of 55,7 g /100 g of protein. The implementation of the invention will contribute to the diversification of natural biologically active preparations and the efficiency of the processing and recovery of waste from the beer industry, which will significantly reduce their negative impact on the environment.

**Field of application:** Agriculture and Food Industry, Medicine, Health Care, Cosmetics, Environment, Pollution Control

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