

Technical Data Sheet

Yeast extract granulated for microbiology

Catalogue number: 103753

Description

Yeast extract is a water-soluble peptone like derivative of yeast (*Saccharomyces*) cells. Our Yeast extract granulated for microbiology (Cat. No. 103753) is prepared by autolysis of the cells. The autolysis is carefully controlled to preserve the naturally occurring vitamins. After the autolysis, the yeast extract is separated, concentrated and then filtrated. In a next heat treatment step, pathogenic and spoilage microorganisms are destroyed. After another concentration step the product is spray dried and then finally granulated. The yeast extract is not of animal origin.

Application

Our Yeast extract granulated for microbiology is a high-quality source for nitrogen, vitamins and further essential elements. In particular it is suitable for the use in culture media preparation, as fast microbial growth is facilitated with it. In media solutions it appears clear and bright and it can be well mixed also with other media components. Our special granulation of the yeast extract ensures rapid and uniform dissolution in water, as well as convenient and safe handling, as it prevents clumping and inhalation of the airborne powder.

Typical Analysis

Appearance	Brownish-yellow granules
pH-value (2% water)	5.5 – 7.2
N (Nitrogen) (calculated on dried substance)	≥ 10.5%
Sulfated ash (600 °C)	≤ 17.0%
Loss on drying (50 °C; < 670 Pa; 3 h)	≤ 5.0%
Ca (Calcium)	≤ 0.05%
Mg (Magnesium)	≤ 0.10%
Chloride (Cl) (as NaCl)	≤ 5.0%
Phosphorous compounds (as P)	≤ 2.5%
Suitability for microbiology	passes test

Ordering Information

Product	Cat. No.	Pack content
Yeast extract granulated for microbiology	1037530500	500 g
	1037535000	5 kg
	1037539025	25 kg

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