

Technical Data Sheet

Yeast extract powder for microbiology

Catalogue number: 113885

Description

Yeast extract is a water-soluble peptone like derivative of yeast (*Saccharomyces*) cells. Our Yeast extract powder for microbiology (Cat. No. 113885) 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 following heat treatment step, spoilage and pathogenic microorganisms are destroyed. After another concentration step the product is finally spray dried. The yeast extract powder is not of animal origin.

Application

Our Yeast extract powder 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.

Typical Analysis

Appearance	Brownish-yellow fine powder
pH-value (2% water)	5.5 – 7.2
N (Nitrogen) (calculated on dried substance)	≥ 10.5%
Assay (ex N, calc. on dried substance)	≥ 65.0%
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%
Phosphorous compounds (as P)	≤ 2.5%
Suitability for microbiology	passes test

Ordering Information

Product	Cat. No.	Pack content
Yeast extract powder for microbiology	1138859010	10 kg
	1138859025	25 kg

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