

Technical Data Sheet

M-Gredient® Yeast Extract A1

Granulated, Prime, for Biotechnology and Microbiology

Catalogue number: 103753

Description

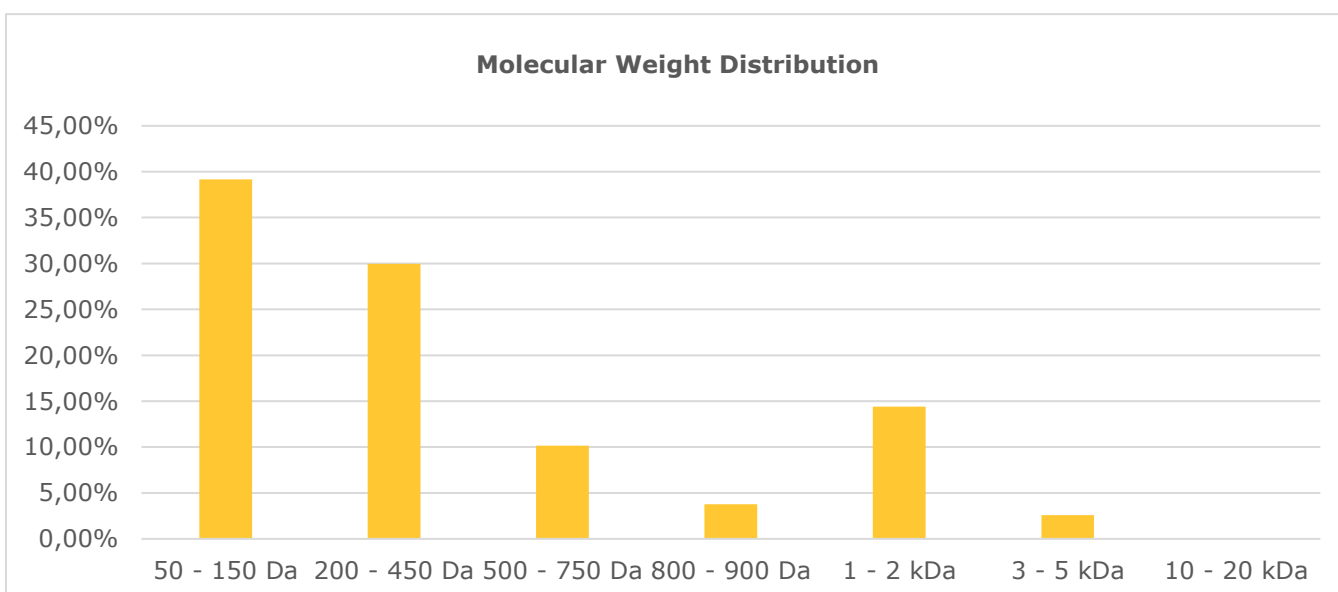
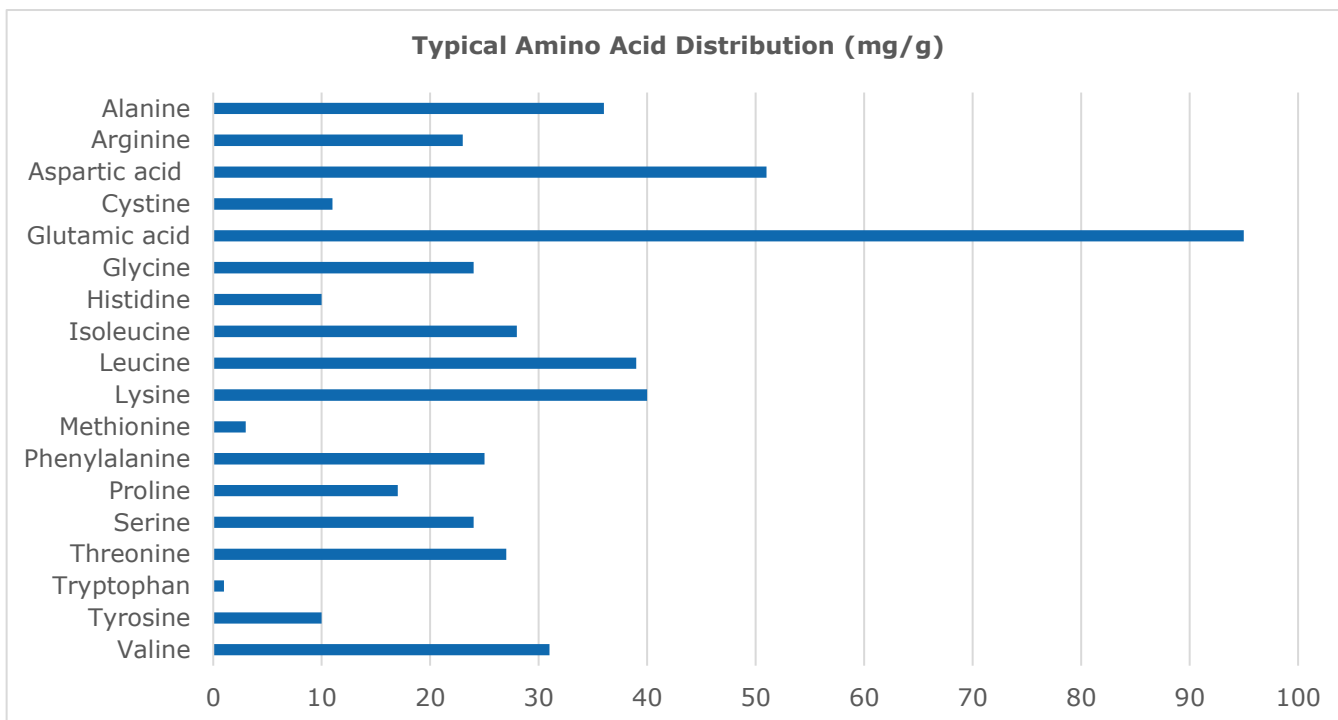
Yeast extract is a water-soluble derivative of yeast (*Saccharomyces*) cells. Our M-Gredient® Yeast Extract A1 Granulated, Prime, for Biotechnology and Microbiology (Cat. No. 103753) is prepared by autolysis of a specifically selected yeast strain grown on a molasses-based media. The autolysis is carefully 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 M-Gredient® Yeast Extract A1 is a high-quality source for nitrogen, vitamins and further essential elements. In particular it is suitable for the use in culture media preparation for microbiological or biotechnological applications, 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.

Product Characteristics

Specified in CoA	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
M-Gredient® Yeast Extract A1 Granulated, Prime, for Biotechnology and Microbiology	1037530500	500 g
	1037535000	5 kg
	1037539025	25 kg

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