Xylanase 2

Characteristics:	Xylanase 2 is an enzyme preparation of different activities of hemicellulase like mannanase, xylanase and ß-glucanase for the degradation of hemicellulase in technical fermentations. The enzyme hydrolyse the substrates into oligosaccharides and some mono-, di- and trisaccharides.
Origin:	*Trichoderma sp.*
Application:	- degradation of pentosans and glucans in distilling mashes - reduction of viscosity in fermentations - for better substrate availability in fermentation processes
Properties:	- prevention of an increase in viscosity - increase the utilisation of energy-containing substrates - optimise biogas yields
Activity:	> 400 000 U/g xylanase-activity (substrate: xylan, method: ASA Spezialenzyme GmbH) > 900 U/g C1-cellulase-activity (substrate: Avicel, method: ASA Spezialenzyme GmbH)
Parameters of reaction:	pH optimum: 5.0, active between pH 4.5 – 6.0 temperature optimum: 55 °C, active between 50 – 60°C
Dosage:	approx. 5 g – 50 g Xylanase 2 on 1000 kg flour
Order-No.:	3050
Form of delivery:	light brown powder with typical odour
Storage:	store in a cool and dry place; activity loss on storage less than 10% per year

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