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Studies on the Optical Rotation of Whey Syrup Prep Immobilized β-Galactosidase

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Whey syrup was prepared by immobilized β -galactosidase and its determined. The rate of lactose hydrolysis and the specific rotation as the reaction time increased. The specific rotation of whey was + syrup markedly increased and finally reached +78.82° by enzymatic in specific rotation in the whey syrup indicates that its sweetness in the whey syrup can be used in such foods as canned fruit, soft drin frozen yogurt as a sweetener. There was a positive correlation between specific rotation and the rate of lactose hydrolysis within a definite a novel method based on the measurement of specific rotation can

rate of lactose hydrolysis and sweetness in the process of whey syi in specific rotation coincided with the changes in galactose content galactose production is the most important factor which determines rotation in the whey syrup.

Keywords: optical rotation, specific rotation, whey syrup, immobil

[PDF (303K)] [References]

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