



A Study of the Initial Velocity in the Hydrolysis, of Sucrose by Invertase: Dissertation Submitted in Partial Fulfillment of the Requirements, for the Degree of Doctor of Philosophy in the Faculty of Pure

By Harold Lester Simons

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Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from A Study of the Initial Velocity in the Hydrolysis, of Sucrose by Invertase: Dissertation Submitted in Partial Fulfillment of the Requirements, for the Degree of Doctor of Philosophy in the Faculty of Pure Science of Columbia University 1. What was attempted? 2. In how far were the attempts successful? 3. What contribution actually new to the science of Chemistry has been made? 1. In view of the fact that many investigators have extrapolated the initial portion of the curve representing the hydrolysis of sucrose by invertase by assuming that the function was initially linear and due to the importance of knowing the actual course of the inversion at its start, an attempt has been made to determine: (a) Whether this condition actually exists; (b) In the case of its actual existence, whether it is due to lack of sufficiently great experimental precision or is due to some peculiarity in the reaction. 2. It has been found that (a) In general, the initial course of the curve representing the hydrolysis is linear; (b) Under certain conditions, however, the velocity actually...

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