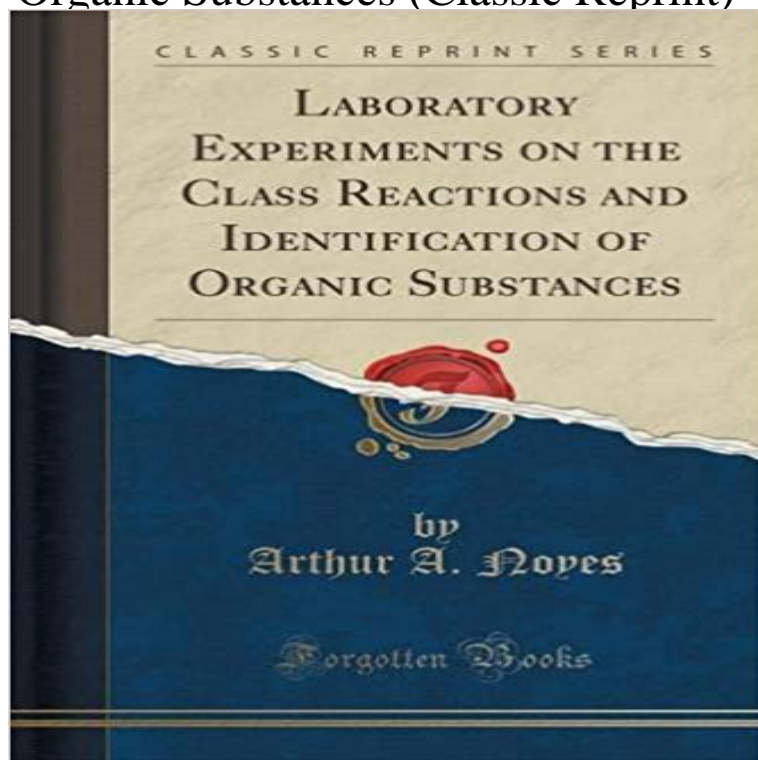


Laboratory Experiments on the Class Reactions and Identification of Organic Substances (Classic Reprint)



Excerpt from Laboratory Experiments on the Class Reactions and Identification of Organic Substances This collection of laboratory experiments in organic chemistry has been prepared especially for the use of the classes of the Massachusetts Institute of Technology, as a supplement to the ordinary course of instruction in preparation work. The authors experience has shown that the preparation of typical organic substances in accordance with the plans followed in the manuals of Gattermann, Levy, Fischer, etc., teaches satisfactorily the manipulative methods of organic chemistry and the manner of execution of the leading synthetic processes, but that it fails, to a surprising extent in the case of most students, to give a knowledge of the important characteristics of the various classes of organic compounds, and therefore of the fundamental principles of the science. Unless the instructor is continually on the alert, the course of preparation work becomes almost unavoidably a routine following of directions. Although the primary purpose of the experiments here described is to illustrate the characteristic reactions of organic compounds, their analytical significance is a feature of no slight importance; for, both in research and technical work, the chemist has frequent occasion to identify the substances he meets with. On this account, and also because it is always desirable to make evident to the student some practical use of the information presented to him, the analytical side of the experiments has been made prominent; and an important part of the course consists in the identification of unknown compounds and the quantitative separation of mixtures by methods devised by the student himself with the help of the knowledge gained from the experiments with known substances. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic

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