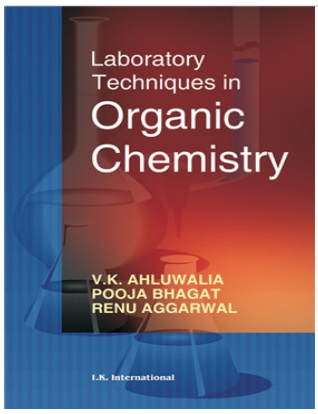
Book Information Sheet



Laboratory Techniques in Organic Chemistry, 1/e

V.K. Ahluwalia, Pooja Bhagat & Renu Aggarwal

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About the Book

This book deals with general information about work in Organic Chemistry Laboratory, viz., safety, first aid, different types of apparatus and their assemblies used for various types of reactions, stirring arrangements, heating techniques and low temperature experiments. Various methods used for purification of organic compounds have been described. Besides the normal technique, the book includes write-up about molecular distillation, chromatography and electrophoresis. Special emphasis has been given to the methods, which can be used for working up of organic reactions. Various methods, which can be used successfully for isolation of products from natural sources, have been incorporated. Emphasis has also been given on the isolation of products from oily mixture using the technique of Liquid-Liquid extraction. Methods for determining the criteria of purity of organic compounds have been discussed. The book also deals with drying and purification of solvents, preparation of spectroscopical grade solvents and HPCL solvents. The preparation of commonly used deuterated solvents (which are used for NMR spectroscopy work) is a special feature of this book.

Salient Features

- Deals with general information of working in organic chemistry laboratory, viz., safety, first aid, different types of apparatus, and their assemblies used.
- Describes various procedures for purification of organic compounds, isolation of products from reaction mixture/natural sources, criteria of purity, and solvents/reagents.
- Illustrated with well laid out, labelled diagrams for better comprehension.

Table of Contents

- General Information
- Purification of Organic Compounds
- Isolation (or Extraction) of Products from Reaction Mixture
- Natural Sources
- Criteria of Purity
- Solvents
- Reagents

About the Author

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