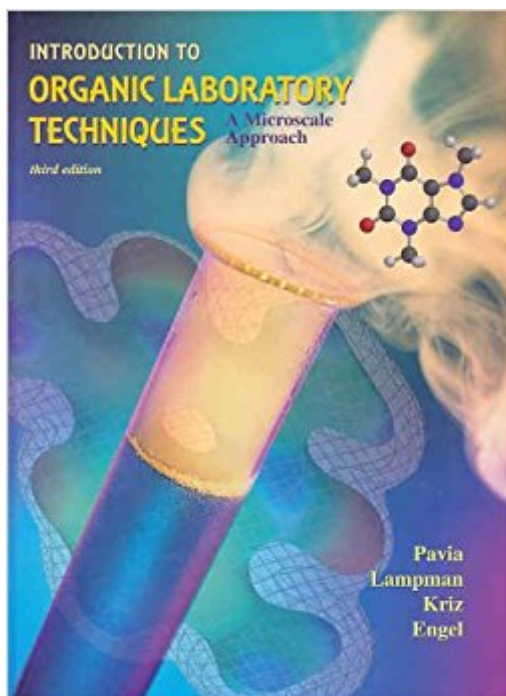


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Introduction To Organic Laboratory Techniques: Microscale Approach



Synopsis

This edition features the successful format that has characterized the previous editions. It includes essays that add relevance and interest to the experiments, and emphasis on the development of the important laboratory techniques, the use of spectroscopy and instrumental methods of analysis, a section featuring conventional-scale experiments and methods, and a wide selection of well-tested and well-written experiments. --This text refers to an out of print or unavailable edition of this title.

Book Information

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Customer Reviews

Donald L. Pavia earned his BS degree in chemistry from Reed College and his PhD in organic chemistry from Yale University. In 1970, he joined the faculty at Western Washington University as Assistant Professor and now holds the rank of Professor Emeritus. He is the coauthor of two organic laboratory books that include techniques and experiments: INTRODUCTION TO ORGANIC LABORATORY TECHNIQUES: A MICROSCALE APPROACH (Cengage Learning), and A SMALL SCALE APPROACH TO ORGANIC LABORATORY TECHNIQUES (Cengage Learning), as well as MICROSCALE AND MACROSCALE TECHNIQUES IN THE ORGANIC LABORATORY (Cengage Learning), which highlights techniques to be used with a faculty member's own experiments. He is a co-author, with Gary M. Lampman, George S. Kriz and James R. Vyvyan of an organic spectroscopy book, INTRODUCTION TO SPECTROSCOPY (Cengage Learning). Professor Pavia's research interests center on the synthesis and reactions of valence tautomeric and photochromic compounds, especially pyrylium-3-oxide tautomers. Autoxidations are a special interest. His other interests include the use of computers in teaching organic chemistry, both for

lecture presentation and for the simulation of laboratories. He is the author of several computer programs. One such program is SQUALOR (Simulated Qualitative Organic Analysis) for which he won the 1986 EDUCOM/NCRIPTAL award. The program is designed for teaching the methods for solving organic unknowns.

Exactly what I needed for class.

The book is okay.

My O-chem teacher recommended this rather than the newest edition which can set you back up to 200 dls. It came in prime condition.

The book came in a good package and was very nice. No creases or rips or anything noticeable in particular. The pages were all there and I got what I expected.

This book arrived in better condition than was advertised. The price was right. I would definitely order from this supplier again

I have taken a full course using this book and I think that it is the best one I have seen! Organic chemistry is a hard subject and this book lays it out in an understandable way. The "techniques" section is current, readable, and the pictures are well done. The essays that accompany many of the experiments are entertaining and give good background information that helps doing the experiments more enjoyable. Probably the best section is the "identification of unknowns" section which lays out in a good logical way how to identify what you have in the lab. I think that the book also addresses and promotes a great trend in chemistry i.e. microscale research that reduces waste and promotes conservation of chemicals and the environment.

Though a complete laboratory text with 50+ experiments, lab techniques, tables of unknowns and spectroscopy, the organic faculty prepare our own lab manual to be followed. Pavia text becomes a close handy reference for lab techniques and setup. The techniques section, which include filtration, crystallization, distillation (simple, fractional, and steam), chromatography (column, thin-layer, and gas)... should be carefully studied before conducting experiments for beginning students. Unless your organic lab course follows almost exactly the outline of experiments in this text, you can check

it out from the library and read it.

Book is flawless, not even scratches on the cover, cannot remember promptness of delivery.

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