Microscale Operational Organic Chemistry: A Problem-Solving Approach to the Laboratory Course

[DOWNLOAD PDF]

By Lehman, John W

Prentice Hall, 2003. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. Introduction. I. MASTERING THE OPERATIONS. 1. Learning Basic Operations. The Effect of pH on a Food Preservative. 2. Extraction and Evaporation. Separating the Components of Panacetin. 3. Recrystallization and Melting-Point Measurement. Identifying a Constituent of Panacetin. 4. Heating under Reflux. Synthesis of Salicylic Acid from Wintergreen Oil. 5. Simple Distillation, Gas Chromatography. Preparation of Synthetic Banana Oil. 6. Fractional Distillation. Separation of Petroleum Hydrocarbons. 7. Addition, Mixing, Sublimation. Preparation of Camphor. 8. Boiling Point, Refractive Index. Identification of a Petroleum Hydrocarbon. 9. Column Chromatography, UV-VIS Spectrometry. Isolation and Isomerization of Lycopene from Tomato Paste. 10. Steam Distillation, Infrared Spectrometry. Isolation and Identification of the Major Constituent of Clove Oil. 11. Thin-Layer Chromatography, NMR Spectrometry. Identification of Unknown Ketones. 12. Vacuum Distillation, Optical Rotation. Optical Activity of a-Pinene. II. CORRELATED LABORATORY EXPERIMENTS. 13. Investigation of a Chemical Bond by Infrared Spectrometry. 14. Properties of Common Functional Groups. 15. Thin-Layer Chromatographic Analysis of Drug Components. 16. Separation of an Alkane Clathrate. 17. Isomers and Isomerization Reactions. 18. Structures and Properties of Stereoisomers. 19. Bridgehead Reactivity in an SN1 Solvolysis

Reviews

Most of these ebook is the perfect publication accessible. It is writter in easy terms and not difficult to understand. It is extremely difficult to leave it before concluding, once you begin to read the book.
-- Anastasia Kihn

Absolutely essential read book. It is probably the most incredible pdf i have got read through. You will like the way the writer publish this pdf.
-- Griffin Hirthe