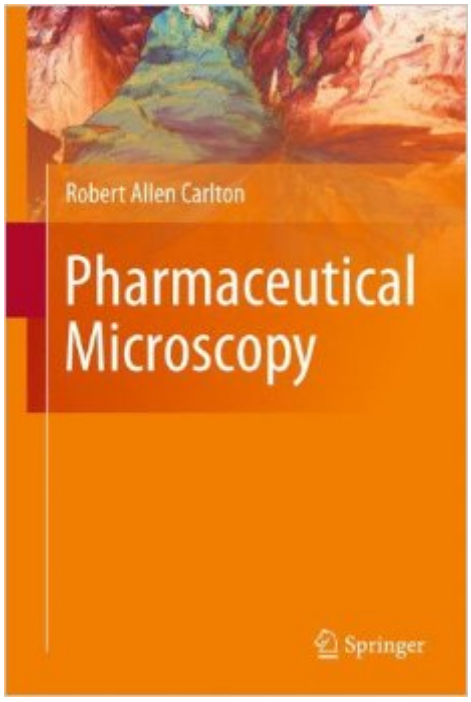
Pharmaceutical Microscopy



Synopsis

Microscopy plays an integral role in the research and development of new medicines. Pharmaceutical Microscopy describes a wide variety of Â techniques together with numerous practical Â applications of importanceÂ in drug development. The first sectionÂ presents general methods and applications with an emphasis on the physical science aspects. Techniques covered include optical crystallography, thermal microscopy, scanning electron microscopy, energy dispersive x-ray spectrometry, microspectroscopy (infrared and Raman), and particle size and shape by image analysis. The second section presents applications of these techniques to specific topics of pharmaceutical interest, including studies of polymorphism, particle size and shape analysis, and contaminant identification.Â Pharmaceutical Microscopy is designed for those scientists who must use these techniques to solve pharmaceutical problems but do not need to become expert microscopists.Â Consequently, each section has exercises designed to teach the reader how to use and apply the techniques in the book.Â Although the focus is on pharmaceutical development, workers in other fields such as food science and organic chemistry will also benefit from the discussion of techniques and the exercises.Provides comprehensive coverage of key microscopy techniques used in pharmaceutical development Helps the reader toÂ solve specific problems in pharmaceutical quality assuranceOriented and designed for pharmaceutical scientists who need to use microscopy but are not expert microscopistsIncludes a large number of practical exercises to give the reader hands-on experience with the techniquesWritten by an author with 21 years of experience in the pharmaceutical industry

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Customer Reviews

Used for work. No complaints yet.

Pharmaceutical Microscopy D. B. Williams's C. Barry Carter's Transmission Electron Microscopy 2nd(Second) edition (Transmission Electron Microscopy: A Textbook for Materials Science [Hardcover])(2009) Stedman's Plus 2016 Medical/Pharmaceutical Spellchecker (Standard) Thermodynamics of Pharmaceutical Systems: An introduction to Theory and Applications Pharmaceutical Calculations 13th edition Pharmaceutical Calculations Social And Behavioral Aspects Of Pharmaceutical Care Our Daily Meds: How the Pharmaceutical Companies Transformed Themselves into Slick Marketing Machines and Hooked the Nation on Prescription Drugs An Introduction to Pharmaceutical Sciences: Production, Chemistry, Techniques and Technology (Woodhead Publishing Series in Biomedicine) Drugs for Life: How Pharmaceutical Companies Define Our Health (Experimental Futures) Rules and Guidance for Pharmaceutical Manufacturers and Distributors 2015 (Orange Guide) (The Orange Guide 2015) Rules and Guidance for Pharmaceutical Manufacturers and Distributors 2015: The Orange Guide Pharmaceutical Process Design and Management Licensing, Selling and Finance in the Pharmaceutical and Healthcare Industries: The Commercialization of Intellectual Property Quality Assurance: Problem Solving and Training Strategies for Success in the Pharmaceutical and Life Science Industries (Woodhead Publishing Series in Biomedicine) RESULTS: The Future Of Pharmaceutical And Healthcare Marketing Scanning Electron Microscopy and X-Ray Microanalysis: A Text for Biologists, Materials Scientists, and Geologists Scanning Electron Microscopy and X-Ray Microanalysis Handbook of Transmission Electron Microscopy Practical Electron Microscopy: A Beginner's Illustrated Guide