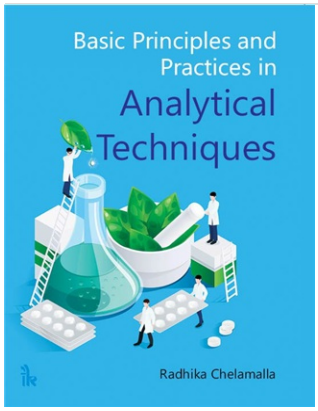
Book Information Sheet



Basic Principles and Practices in Analytical Techniques

Radhika Chelamalla

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About the Book

The present textbook serves the practical requirements of the analysts. This context is mostly helpful for converting theory to practical knowledge.

The product quality can be improved all along during manufacturing or in process time, i.e., initially from the raw material to the finished product, during this process the frequent analysis is needed due to which the analytical role has been increased. For this, high skilled analysts like those who have proper analytical knowledge are required. I am sure that it can be attained by knowing about the analytical methodologies mentioned in this handbook.

In recent days it is easy to gain the theoretical knowledge through a number of books and suggestions from teachers but it is little bit hard to apply the same in developing the analytical methodologies which has a prominent role in the development of newer drugs and regular analysis. The book stands as a firm support to carry out Good Laboratory Practices as it holds the matter about standard operating procedures as well as the calibration of various equipment.

Details about instrumentation and chemical analysis principles are not covered but this contains methodologies which are helpful for the analysis of different dosage forms. The context is provided in simple language and is also explained by appropriate diagrams wherever needed. This book will be accepted by the students and also teachers of pharmacy. Hope this brings special interest not only in the subject but also in the field of analysis. Additionally, it also serves to the postgraduates, researchers and also analytical chemists in various departments of pharmacy.

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About the Author

Radhika Chelamalla :- graduated in pharmacy and obtained her PhD in Pharmaceutical Sciences from Jawaharlal Nehru Technological University, Hyderabad in 2015. She is a Post Doctoral Fellow in the Centre for Pharmaceutical Sciences at Jawaharlal Nehru Technological University, Hyderabad. Her research interests include synthesis and characterization of new scaffolds for invention of new drug entities for their pharmacological activities, isolation and separation of secondary metabolites in extracts of plant tissues as well as analytical techniques. Her interests focus on design of drug molecules through modern methods like computer-aided drug design and combinatorial chemistry and published Indian patents on her research work. She is the author or coauthor of about 30 papers and approximately 25 conference papers. She has published review and research articles in various peer reviewed national and international journals. She has participated in different exchange programmes visiting schools of pharmacy and receiving invited lectures. She is a member of various eminent bodies such as APTI, IPGA and APP, etc.