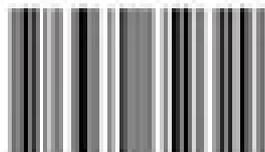


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This book outlines the basic understanding of various chromatographic techniques like paper chromatography, thin layer chromatography and column chromatography. Also the fresh chromatographic technique is extensively discussed under this book. The modern analytical techniques with high accuracy like High Performance Liquid Chromatography (HPLC) and Gas Chromatography is extensively discussed in the book to get the understanding of principle, instrumentation, process of separation, factors affecting the separation and the detection techniques. Some of the commercially available models are also discussed here. The recent advancement of rapid and high throughput Ultra Performance Liquid Chromatography is also discussed. The hyphenated techniques like High Performance Thin Layer Chromatography and Liquid Chromatography- Mass Spectrometry provide the unique advantages to the analysts. The data interpretation is one of the most important and critical part of the analysis. This book describes the requirements of the system suitability of chromatographic techniques. Step wise approach for method development of the new compound is described. Method validation is included as a separate chapter.

Dr. Anna Pratima Nikalje, Prof. & Head, Department of Pharmaceutical Chemistry, Y.B. Chavan College of Pharmacy, Aurangabad, MS, India (27 Years Teaching Experience) Dr. Dileep Bhosale Assistant Director, Analytical Development Laboratory, Wockhardt Research Centre, Aurangabad, MS, India 22 Years Analytical Experience



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