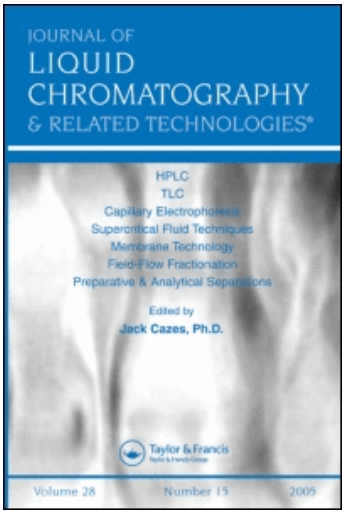

Journal of Liquid Chromatography & Related Technologies
Publication details, including instructions for authors and subscription information:
http://www.informaworld.com/smpp/title~content=t713597273

Chromatographic Analysis of Pharmaceuticals

To cite this Article (1997) 'Chromatographic Analysis of Pharmaceuticals', Journal of Liquid Chromatography & Related Technologies, 20: 11, 1810 — 1811
To link to this Article: DOI: 10.1080/10826079708006335
URL: http://dx.doi.org/10.1080/10826079708006335

CHROMATOGRAPHIC ANALYSIS OF PHARMACEUTICALS, edited by J. A. Adamovics, Chromatographic Science Series, Volume 74, Jack Cazes, Editor, Marcel Dekker, Inc., New York, NY, 544 pp., 1996. Price: $165.00.

The first edition of *Chromatographic Analysis of Pharmaceuticals* was published in 1990. This second edition updates and expands coverage of the topics in the first edition.

The overall organization of the first edition — a series of chapters on regulatory considerations, sample treatment (manual/robotic), and chromatographic methods (TLC, GC, HPLC), followed by an applications section — has been maintained. To provide a more coherent structure to this edition, the robotics and sample treatment chapters have been consolidated, as have the chapters on gas chromatography and headspace analysis. This edition includes two new chapters, on capillary electrophoresis, and supercritical fluid chromatography. These new chapters discuss the hardware behind the technique, followed by their respective approaches to methods development, along with numerous examples. All the chapters have been updated with relevant information on proteinaceous pharmaceuticals. The applications chapter has been updated to include chromatographic methods from the *Chinese Pharmacopoeia* and updates from *U.S. Pharmacopeia 23* and from the *British and European Pharmacopoeias*. Methods developed by instrument and column manufacturers are also included in an extensive table, as are up-to-date references from the chromatographic literature.

The chapters on CE and SFC are comprehensive enough for such a book. These two techniques, especially CE, have resulted in a substantial increase in the number of capillary electrophoresis (CE) applications in the pharmaceutical industry over the last 5 years. Capillary electrophoresis has been utilized in the quantitation of drug-related impurities, stability studies, chiral analysis, stereoisomeric separations, and formulation analysis. Continued interest in the research and development of biotechnology-derived products has promoted the widespread use of CE to monitor the synthetic and purification processes, in addition to the analysis of these therapeutic entities in formulations.

This second edition should appeal to chemists and biochemists in pharmaceutics and biotechnology who are responsible for analysis of pharmaceuticals. As in the first edition, this book focuses on analysis of bulk and formulated drug products, and not on analysis of drugs in biological fluids. The book is well written and illustrated, and is free of typographical errors. It is recommended to all those interested in pharmaceutical analysis.

Table of Contents

Chapter 1. Regulatory Considerations for the Chromatographer, J. A. Adamovics (1).

Chapter 2. Sample Pretreatment, J. A. Adamovics (23).

Chapter 3. Planar Chromatography, J. A. Adamovics, J. C. Eschbach (57).

Chapter 4. Gas Chromatography, J. A. Adamovics, J. C. Eschbach (79).

Chapter 5. High Performance Liquid Chromatography, J. A. Adamovics, D. L. Farb (135).

Chapter 6. Capillary Electrophoresis, S. R. Rabel, J. F. Stobaugh (209).

Chapter 7. Supercritical Fluid Chromatography of Bulk and Formulated Pharmaceuticals, J. T. Stewart, N. K. Jagota (239).

Chapter 8. Applications, J. A. Adamovics (273).

CAPILLARY ELECTROPHORESIS IN ANALYTICAL BIOTECHNOLOGY, edited by P. G. Righetti, CRC Series in Analytical Biotechnology, edited by W. S. Hancock, CRC Press, Boca Raton, FL, 551 pp., 1996. Price: $145.00,

and

CAPILLARY ELECTROPHORETIC SEPARATIONS OF DRUGS, edited by A. S. Cohen, S. Terabe, Z. Deyl, reprinted from Journal of Chromatography A, Volume 735, Elsevier Science B.V., Amsterdam, 447 pp., 1996. Price: $281.25.

These two books were recently received, dealing with application of capillary electrophoresis. The first one deals with "CE in Analytical Biotechnology," while the second one is entitled "CE Separations of Drugs." These two books tell us that CE, which was introduced in 1967 by S. Hjerten, and later modernized and simplified to its present form by J. Jorgenson, have moved from the theoretical and development stage to the applications stage. This means that CE is not only maturing but it is acceptable in different fields as an analytical tool. Dr. Pier Giorgio Righetti has done an excellent and