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A review of: “Handbook of Thin-Layer Chromatography, Joseph Sherma and Bernard Fried, Editors, Volume 55, Chromatographic Science Series, Marcel1 Dekker, Inc., New York. Price - \$165.00 (USA and Canada), \$198.00 (all other countries).”

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THE BOOK CORNER

HANDBOOK OF THIN-LAYER CHROMATOGRAPHY, Joseph Sherma and Bernard Fried, Editors, Volume 55, Chromatographic Science Series, Marcell Dekker, Inc., New York. Price - \$165.00 (USA and Canada), \$198.00 (all other countries).

This book provides a comprehensive review of thin-layer chromatography (TLC) with an emphasis on practical aspects of the technique. It is divided into two parts: Part I (Chp. 1-13) covers the theoretical and practical aspects of TLC; Part II (Chp. 14 - 31) is dedicated to applications and is organized mainly by compound or group type. There are few obvious omissions from the text and the literature citations are current to about 1988. Given the scope and size of the text (1047 page) it is difficult not to find something of interest. The index seems to be well organized, fortunately, and I had no difficulty in locating subjects of particular interest. The book is a useful reference work on TLC and will be valuable to those chemists working in this area. Because of its encyclopaedic coverage of the field most specialists will want to have access to the book as a single source of most of the relevant information they require in their work. The editors are to be congratulated on a job well done. The contents of the book and the authors are given below:

Preface, (p. iii)

Contributors, (p. vii)

Part I: Principles and Practice of Thin-Layer Chromatography

1. Basic Techniques, Materials, and Apparatus, Joseph Sherma, (p. 3).
2. Theory and Mechanism of Thin-Layer Chromatography, Teresa Kowalska, (p. 43).
3. Optimization, Bart M. J. De Spiegeleer, (p. 71).
4. Sorbents and Precoated Layers in Thin-Layer Chromatography, Heinz E. Hauck, Margot Mack and Willi Jost, (p. 87).
5. Instrumental Thin-Layer Chromatography, Dieter E. Jaenchen, (p. 113).
6. Gradient Development in Thin-Layer Chromatography, Wladyslaw Golkiewicz, (p. 135).
7. Overpressured Layer Chromatography, Katalin Ferenczi-Fodor, Emil Mincsovcics, and Erno Tyihák, (p. 155).
8. Thin-Layer Chromatography Coupled with Mass Spectrometry, Kenneth L. Busch, (p. 183).
9. Photographic Documentation of Thin-Layer Chromatograms, Richard K. Vitek, (p. 211).
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12. Thin-Layer Radiochromatography, Seth D. Shulman and Larry E. Weaner, (p. 317).
13. Applications of Flame Ionization Detectors in Thin-Layer Chromatography, Kumar D. Mukherjee, (p. 339).

Part II: Applications of Thin-Layer Chromatography

14. Amino Acids and Their Derivatives, R. Bhushan (p. 353).
 15. Peptides and Proteins, R. Bhushan and J. Martens, (p. 389).
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- Glossary, (p. 1021)
- Selective Directory of Manufacturers and Suppliers of Instruments and Products for Thin-Layer Chromatography, (p. 1029).
- Index, (p. 1033).

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