

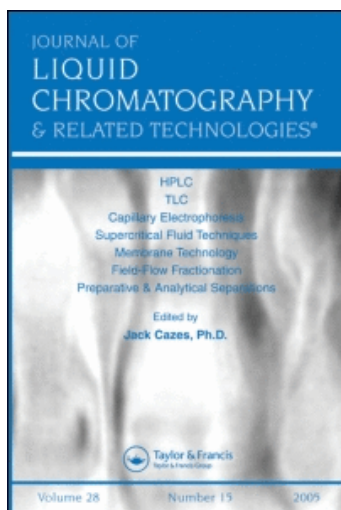
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THE BOOK CORNER

THIN LAYER CHROMATOGRAPHIC Rf VALUES OF TOXICOLOGICALLY RELEVANT SUBSTANCES ON STANDARDIZED SYSTEM, 2nd revised and enlarged edition, VCH Publishers, Weinheim, 1992, 308 pages, DM 138.00; ISBN 3-527-27397-2

This book is prepared under the auspices of the Committee for Systematic Toxicological Analysis of the International Association of Forensic Toxicologists (TIAFT). It represents a sound, practical guide for substance identification by thin layer chromatography (TLC) which is considered to be a popular, state-of-the-art analytical technique for toxicologic analysis because of its speed, reliability and low cost.

The book outlines the principles for choosing proper TLC systems for screening purposes and the methods for using those systems. It also compiles a large collection of over 1600 substances including pharmaceutical drugs, illicit drugs and pesticides for the purpose of identification under standardized systems which have been proven to be reliable and reproducible.

The volume consists, mainly, of 16 tables listing those drug substances, in alphabetical order, versus Rf data and chemical abstract registry numbers (CAS No.), and

- Rf data for ten TLC systems in ascending numerical order versus substance names.
- CAS registry numbers in numerical order versus substance names.

This compilation is a valuable resource for forensic and toxicological laboratories, hospitals and academic institutions.

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THIN-LAYER CHROMATOGRAPHY: REAGENTS AND DETECTION METHODS. VOLUME 1B,
H. Jork, W. Fisher, W. Funk and H. Wimmer, VCH Weinheim, Germany, 1994; xvi + 496 pp.,
DM 198.00. £81.00: ISBN 3-527-28205-X

This volume is the second book of a practice-oriented series of two books published by VCH publishers and authored by well-recognized scientists in the field. It offers a valuable practical guide to all practitioners of TLC.

The book consists of two parts. Part I discusses the specific detection methods which include

- (a) Activation reactions e.g. photochemical activation, thermochemical activation and electrochemical activation and
- (b) Reagents applied for the recognition of functional groups.

Part II deals with description of the preparation of about 65 reagents, arranged in alphabetical order. Each reagent discussed gives a brief note on its application, detailed methodology for its preparation, including helpful hints and precautions, chemical reactions involved, if known, and finally, an example for the procedure tested for the reagent, supplemented by literature references.

The book is well illustrated, as it contains 116 figures, 31 of which are in color and also 19 tables. A copy of this book should be available in every analytical chemistry and quality control laboratory dealing with TLC. It is highly recommended as a valuable reference for analytical chemists, organic chemists, biochemists, among other professionals in both pharmaceutical and chemical industries and academic institutions.

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