



Basic Gas Chromatography

By Harold M. McNair, James M. Miller

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The New Edition of the Well-Regarded Handbook on Gas Chromatography

Since the publication of the highly successful first edition of *Basic Gas Chromatography*, the practice of chromatography has undergone several notable developments. *Basic Gas Chromatography, Second Edition* covers the latest in the field, giving readers the most up-to-date guide available, while maintaining the first edition's practical, applied approach to the subject and its accessibility to a wide range of readers.

The text provides comprehensive coverage of basic topics in the field, such as stationary phases, packed columns and inlets, capillary columns and inlets, detectors, and qualitative and quantitative analysis. At the same time, the coverage also features key additions and updated topics including:

- Gas chromatography-mass spectrometry (GC-MS)
- Sampling methods
- Multidimensional gas chromatography
- Fast gas chromatography
- Gas chromatography analysis of nonvolatile compounds
- Inverse gas chromatography and pyrolysis gas chromatography

Along with these new and updated topics, the references, resources, and Web sites in *Basic Gas Chromatography* have been revised to reflect the state of the field. Concise and fundamental in its coverage, *Basic Gas Chromatography, Second Edition* remains the standard handbook for everyone from undergraduates studying analytical chemistry to working industrial chemists.

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Editorial Review

Review

"The book should appeal to readers with varying levels of education and emphasises a practical, applied approach to the subject. Basic Gas Chromatography, 2nd Edition remains the standard handbook for everyone from undergraduates studying analytical chemistry to working industrial chemists. It is particularly suited for intensive short courses." (Chemistry Journals, 11 April 2011)

From the Inside Flap

Basic Gas Chromatography

Second Edition

Harold m. McNair

James M. Miller

From the Back Cover

Gas Chromatography (GC) is undoubtedly the most widely used technique for the separation and analysis of volatile compounds. Yet comprehensive guides to contemporary GC theory and practice are surprisingly hard to find.

Basic Gas Chromatography fills this significant void in the GC literature. Written by two well-known practitioners and educators in GC, it offers thorough coverage of the basic principles and techniques of modern gas chromatography.

Designed to serve as a primer/working reference for bench chemists and as a textbook for upper-level undergraduate and graduate students, it presents the fundamentals in a straightforward and logical fashion. Theoretical issues are explained without complicated equations and derivations and always in terms of how they relate to practical operating principles. Timely, comprehensive, and accessible, Basic Gas Chromatography:

- * Provides a balanced presentation of theory and practice
- * Includes both capillary column and packed column chromatography
- * Uses the new IUPAC terms throughout, cross-referenced to traditional terms and symbols
- * Offers a wealth of helpful hints, step-by-step guidelines, and trouble-shooting tips
- * Briefly covers GC-MS, headspace analysis, chiral analysis, solid phase microextraction, and other cutting-edge topics.

Users Review

From reader reviews:

Anthony Pisano:

Do you among people who can't read pleasurable if the sentence chained inside straightway, hold on guys this particular aren't like that. This Basic Gas Chromatography book is readable by you who hate the straight word style. You will find the facts here are arrange for enjoyable looking at experience without leaving perhaps decrease the knowledge that want to supply to you. The writer associated with Basic Gas Chromatography content conveys the idea easily to understand by many people. The printed and e-book are not different in the articles but it just different by means of it. So , do you nevertheless thinking Basic Gas Chromatography is not loveable to be your top checklist reading book?

Kina Chatman:

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Esther Belote:

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