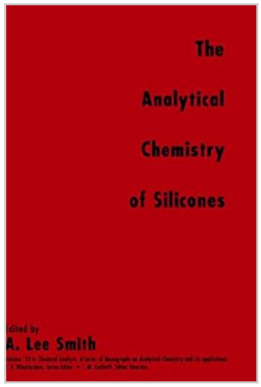

The Analytical Chemistry of Silicones

From Wiley-Interscience

The Analytical Chemistry of Silicones From Wiley-Interscience

High-Resolution Solid-State NMR of Silicates and Zeolites Gunter Engelhardt and Dieter Michel "I strongly recommend this book as an important reference for scientists concerned with the structural properties of siliceous materials." --Applied Spectroscopy This well-organized and up-to-date text gives a thorough account of the wide range of applications of multinuclear high-resolution solid-state NMR spectroscopy in silicate and zeolite science, with emphasis on the kinds of chemical information retrievable from NMR experiments. 1988 (0 471-91597-1) 485 pp. The Chemistry of Silica Solubility, Polymerization, Colloid and Surface Properties, and Biochemistry Ralph K. Iler A major component of the earth's solid surface and the constituent of sand, silica--an ageless natural staple--is also integral to industries as diverse as chemistry, biology, medicine, agriculture, metallurgy, and mining. This landmark reference details the chemistry surrounding the research and development of silica as well as information on its production and production control. 1979 (0 471-02404-X) 866 pp. The Chemistry of Organic Silicon Compounds Parts 1 and 2 Edited by Saul Patai and Zvi Rappoport "This volume will probably become the first reference consulted for C-Si chemistry." --Choice This authoritative account of organic compounds containing carbon-silicon bonds brings specialists up-to-date to the field's latest innovative turns. The emphasis in this compilation of studies--from 17 prominent researchers--is on small molecules, single bonds, analysis, structure, synthesis, spectroscopy, and reaction mechanisms. Part 1:1989 (0 471-91441-X) 892 pp. Part 2:1989 (0 471-91992-6) 1,668 pp.

The Analytical Chemistry of Silicones

From Wiley-Interscience

The Analytical Chemistry of Silicones From Wiley-Interscience

High-Resolution Solid-State NMR of Silicates and Zeolites Gunter Engelhardt and Dieter Michel "I strongly recommend this book as an important reference for scientists concerned with the structural properties of siliceous materials." --Applied Spectroscopy This well-organized and up-to-date text gives a thorough account of the wide range of applications of multinuclear high-resolution solid-state NMR spectroscopy in silicate and zeolite science, with emphasis on the kinds of chemical information retrievable from NMR experiments. 1988 (0 471-91597-1) 485 pp. The Chemistry of Silica Solubility, Polymerization, Colloid and Surface Properties, and Biochemistry Ralph K. Iler A major component of the earth's solid surface and the constituent of sand, silica--an ageless natural staple--is also integral to industries as diverse as chemistry, biology, medicine, agriculture, metallurgy, and mining. This landmark reference details the chemistry surrounding the research and development of silica as well as information on its production and production control. 1979 (0 471-02404-X) 866 pp. The Chemistry of Organic Silicon Compounds Parts 1 and 2 Edited by Saul Patai and Zvi Rappoport "This volume will probably become the first reference consulted for C-Si chemistry." --Choice This authoritative account of organic compounds containing carbon-silicon bonds brings specialists up-to-date to the field's latest innovative turns. The emphasis in this compilation of studies--from 17 prominent researchers--is on small molecules, single bonds, analysis, structure, synthesis, spectroscopy, and reaction mechanisms. Part 1:1989 (0 471-91441-X) 892 pp. Part 2:1989 (0 471-91992-6) 1,668 pp.

The Analytical Chemistry of Silicones From Wiley-Interscience Bibliography

- Sales Rank: #1725517 in Books
- Published on: 1991-01-18
- Original language: English
- Number of items: 1
- Dimensions: 9.39" h x 1.42" w x 6.28" l, 2.09 pounds
- Binding: Hardcover
- 576 pages

Editorial Review

From the Publisher
The fast paced developments in the field of silicone analytical chemistry over the last 15 years have been tremendous, and the explosion of knowledge during that time has been phenomenal. Updates the latest findings in the field and presents them in a concise, yet comprehensive manner. Principles and general approaches to problems are stressed, and examples cited of some of the typical approaches to problems of current interest, including: polymers and compositions; trace analysis; personal care applications; chromatographic methods; infrared, Raman, near-infrared and ultraviolet spectroscopy; nuclear magnetic resonance spectroscopy; mass spectrometry; and more. In addition, key references are cited for further reading.

From the Inside Flap
The new universe of innovative analytical techniques in chemistry—Fourier transform spectroscopy, near-infrared spectroscopy, a variety of surface analysis techniques, chemometrics and computerized instrumentation—has been matched in innovative velocity only by the phenomenal rise in uses for organosilicon materials. Indispensable as high-performance materials in industrial processes and products and in medical and biological applications, silicones offer a versatile new language for chemistry—whose syntax is understood through analytical technology. The Analytical Chemistry of Silicones is a guide to understanding the unique chemistry of organosilicon materials—a valuable compendium for chemists and engineers that covers techniques for analyzing, and analyzing for, organosilicon compounds. By frequently illustrating approaches with problems of current interest, the authors provide the reader with an up-to-the-minute glimpse into silicone chemistry’s full structural and analytical permutations. Inside, readers will find:

- Methods of analyzing for silicones —from parts per billion to 100%, both in bulk materials and on surfacesAnalysis of products and formulations—from coatings and cosmetics to surfactants and textile treatmentsAnalysis for traces of silicones—in foods, soil, water, air, medical devices, and biological samplesProven methods for analyzing organosilicon monomers and polymers for composition and structureExperimental methods for determining physical properties and polymer structureMicroscopical characterization techniques—from optical to analytical electron microscopyChromatographic, NMR, IR, mass spectrometric, atomic spectroscopic, and X-ray methods, and other key techniques—with emphasis on their uses in characterizing siliconesUp-to-date tables of physical property data for many monomers and oligomers, GC response factors, IR group frequencies, and NMR shiftsA comprehensive bibliography of relevant literature citations, including titles

A synthesis of information and data heretofore unavailable in a single source, this first-of-a-kind resource allows chemical engineers or research chemists, analytical generalists, and analytical specialists—with varying degrees of familiarity with analytical chemistry or silicones—to become conversant with both the techniques of analysis and science of silicones, allowing for the swift and economical solution to analytical problems. Invaluable for its breadth of coverage and practical detail, The Analytical Chemistry of Silicones is the essential primer to the infinitely useful and unfolding chemistry of organosilicon materials.

From the Back Cover
High-Resolution Solid-State NMR of Silicates and Zeolites Günter Engelhardt and Dieter Michel "I strongly recommend this book as an important reference for scientists concerned with the structural properties of siliceous materials." —Applied Spectroscopy This well-organized and up-to-date text gives a thorough account of the wide range of applications of multinuclear high-resolution solid-state NMR spectroscopy in

silicate and zeolite science, with emphasis on the kinds of chemical information retrievable from NMR experiments. 1988 (0 471-91597-1) 485 pp. The Chemistry of Silica Solubility, Polymerization, Colloid and Surface Properties, and Biochemistry Ralph K. Iler A major component of the earth’s solid surface and the constituent of sand, silica—an ageless natural staple—is also integral to industries as diverse as chemistry, biology, medicine, agriculture, metallurgy, and mining. This landmark reference details the chemistry surrounding the research and development of silica as well as information on its production and production control. 1979 (0 471-02404-X) 866 pp. The Chemistry of Organic Silicon Compounds Parts 1 and 2 Edited by Saul Patai and Zvi Rappoport "This volume will probably become the first reference consulted for C-Si chemistry…" —Choice This authoritative account of organic compounds containing carbon-silicon bonds brings specialists up-to-date to the field’s latest innovative turns. The emphasis in this compilation of studies—from 17 prominent researchers—is on small molecules, single bonds, analysis, structure, synthesis, spectroscopy, and reaction mechanisms. Part 1:1989 (0 471-91441-X) 892 pp. Part 2:1989 (0 471-91992-6) 1,668 pp.

Users Review

From reader reviews:

Cora Morrell:

Why don't make it to become your habit? Right now, try to ready your time to do the important take action, like looking for your favorite e-book and reading a e-book. Beside you can solve your trouble; you can add your knowledge by the guide entitled The Analytical Chemistry of Silicones. Try to stumble through book The Analytical Chemistry of Silicones as your friend. It means that it can being your friend when you truly feel alone and beside those of course make you smarter than in the past. Yeah, it is very fortuned for you. The book makes you considerably more confidence because you can know every little thing by the book. So , we need to make new experience and knowledge with this book.

Gayle Stalder:

Nowadays reading books be than want or need but also turn into a life style. This reading behavior give you lot of advantages. Associate programs you got of course the knowledge the actual information inside the book which improve your knowledge and information. The info you get based on what kind of book you read, if you want get more knowledge just go with training books but if you want sense happy read one along with theme for entertaining for example comic or novel. Often the The Analytical Chemistry of Silicones is kind of guide which is giving the reader erratic experience.

Jeremy Gable:

Many people spending their time frame by playing outside using friends, fun activity having family or just watching TV all day every day. You can have new activity to spend your whole day by looking at a book. Ugh, do you consider reading a book can definitely hard because you have to bring the book everywhere? It alright you can have the e-book, bringing everywhere you want in your Smartphone. Like The Analytical Chemistry of Silicones which is getting the e-book version. So , why not try out this book? Let's view.

John Harrison:

Reading a e-book make you to get more knowledge from the jawhorse. You can take knowledge and information from a book. Book is written or printed or created from each source this filled update of news. With this modern era like currently, many ways to get information are available for an individual. From media social like newspaper, magazines, science guide, encyclopedia, reference book, novel and comic. You can add your knowledge by that book. Are you hip to spend your spare time to spread out your book? Or just trying to find the The Analytical Chemistry of Silicones when you essential it?

Read The Analytical Chemistry of Silicones From Wiley-Interscience for online ebook

The Analytical Chemistry of Silicones From Wiley-Interscience Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Analytical Chemistry of Silicones From Wiley-Interscience books to read online.

Online The Analytical Chemistry of Silicones From Wiley-Interscience ebook PDF download

The Analytical Chemistry of Silicones From Wiley-Interscience Doc

The Analytical Chemistry of Silicones From Wiley-Interscience Mobipocket

The Analytical Chemistry of Silicones From Wiley-Interscience EPub

XMBST7L50KZ: The Analytical Chemistry of Silicones From Wiley-Interscience