

Lange Handbook Of Chemistry 16th Edition

The Solubility of Refined Paraffin Waxes in Petroleum Fractions The New Walford Lange's Handbook of Chemistry, 70th Anniversary Edition Chemical Analysis Handbook of Chemistry Biofuels Engineering Process Technology, Second Edition Public Library Core Collection Lange's Handbook of Chemistry, Seventeenth Edition Bulletin of the Chemical Society of Japan The Student's Lab Companion Lange's Handbook of Chemistry Sulphur, an Essential to Industry and Agriculture Bulletin de l'UNESCO á l'intention des bibliothèques Lange's Handbook of Chemistry, 70th Anniversary Edition Reference Sources for Small and Medium-sized Libraries Purification of Laboratory Chemicals Bell Telephone System Technical Publications The Lithosphere Basics of Analytical Chemistry and Chemical Equilibria Encyclopedia of Physical Sciences and Engineering Information Sources Synthetic Fuels Handbook The Chemistry of the Actinide and Transactinide Elements (3rd ed., Volumes 1-5) Techniques in Organic Chemistry New Horizons of Process Chemistry Studi in onore di Edoardo Volterra Encyclopedia of the Elements A Microscale Approach to Organic Laboratory Techniques Applied Biopharmaceutics and Pharmacokinetics Chemical Information and Computation Lange's Handbook of Chemistry Operational Organic Chemistry The Organic Chem Lab Survival Manual Perry's Chemical Engineers' Handbook, 9th Edition Separation Process Engineering The Yaws Handbook of Physical Properties for Hydrocarbons and Chemicals Multiscale Operational Organic Chemistry Encyclopedia of Environmental Information Sources Senior High Core Collection Senior High Core Collection Chemical Properties Handbook

The Solubility of Refined Paraffin Waxes in Petroleum Fractions

An annotated bibliography lists reference sources for small and medium-sized libraries and includes updates information on such resources as CD-ROMs, electronic databases, the Internet, and Web 2.0.

The New Walford

Lange's Handbook of Chemistry, 70th Anniversary Edition

Chemical Analysis

"This book is the first volume of a series that succeeds Walford's guide to reference material, published in eight editions

between 1959 and 2000 by Library Association Publishing"--V. 1, t.p. verso.

Handbook of Chemistry

This revised edition of 'Lange's Handbook of Chemistry' provides a vast compilation of facts, data, tabular material and experimental findings in every area of chemistry.

Biofuels Engineering Process Technology, Second Edition

This comprehensive lab companion provides enough theory to help students understand how and why an operation works, but emphasizes the practical aspects of an operation to help them perform the operation successfully in the lab. For undergraduate or graduate students taking organic chemistry lab. This comprehensive lab companion provides enough theory to help students understand how and why an operation works, but emphasizes the practical aspects of an operation to help them perform the operation successfully in the lab. The Second Edition makes substantive revisions of many operations to clarify existing material and add new information. More environmentally friendly (i.e. ? green?) lab experiments are encouraged. Ideal for professors who write their own lab experiments or would like custom labs but need a source for lab operations and safety information.

Public Library Core Collection

The Chemistry of the Actinide and Transactinide Elements is a contemporary and definitive compilation of chemical properties of all of the actinide elements, especially of the technologically important elements uranium and plutonium, as well as the transactinide elements. In addition to the comprehensive treatment of the chemical properties of each element, ion, and compound from atomic number 89 (actinium) through to 109 (meitnerium), this multi-volume work has specialized and definitive chapters on electronic theory, optical and laser fluorescence spectroscopy, X-ray absorption spectroscopy, organoactinide chemistry, thermodynamics, magnetic properties, the metals, coordination chemistry, separations, and trace analysis. Several chapters deal with environmental science, safe handling, and biological interactions of the actinide elements. The Editors invited teams of authors, who are active practitioners and recognized experts in their specialty, to write each chapter and have endeavoured to provide a balanced and insightful treatment of these fascinating elements at the frontier of the periodic table. Because the field has expanded with new spectroscopic techniques and environmental focus, the work encompasses five volumes, each of which groups chapters on related topics. All chapters represent the current state of research in the chemistry of these elements and related fields.

Lange's Handbook of Chemistry, Seventeenth Edition

Bulletin of the Chemical Society of Japan

The Student's Lab Companion

Lange's Handbook of Chemistry

Preface To the Instructor Acknowledgments Introduction Problem Solving in the Organic Chemistry Laboratory Scientific Methodology Organization of This Book A Guide to Success in the Organic Chemistry Lab Laboratory Safety Safety Standards Protecting Yourself Preventing Laboratory Accidents Reacting to Accidents: First Aid Reacting to Accidents: Fire Chemical Hazards Finding and Using Chemical Safety Information Chemistry and the Environment Disposal of Hazardous Wastes Green Chemistry Part I Mastering the Operations 1 The Effect of pH on a Food Preservative 2 Separating the Components of *l*quo;Panacetin*rdquo*; 3 Identifying a Constituent of *l*quo;Panacetin*rdquo*; 4 Synthesis of Salicylic Acid from Wintergreen Oil 5 Preparation of Synthetic Banana Oil 6 Separation of Petroleum Hydrocarbons 7 A Green Synthesis of Camphor 8 Identification of a Petroleum Hydrocarbon 9 Isolation and Isomerization of Lycopene from Tomato Paste 10 Isolation and Identification of the Major Constituent of Clove Oil 11 Identification of Unknown Ketones 12 The Optical Activity of *-*Pinene: A Chemical Mystery Part II Correlated Laboratory Experiments 13 Investigation of a Chemical Bond by Infrared Spectrometry 14 Properties of Common Functional Groups 15 Thin-Layer Chromatographic Analysis of Drug Components 16 Separation of an Alkane Clathrate 17 Isomers and Isomerization Reactions 18 Structures and Properties of Stereoisomers 19 Bridgehead Reactivity in an S N 1 Solvolysis Reaction 20 Reaction of Iodoethane with Sodium Saccharin, an Ambident Nucleophile 21 Dehydration of Methylcyclohexanols and the Evelyn Effect 22 Testing Markovnikov's Rule 23 Stereochemistry of Bromine Addition to *trans*-Cinnamic Acid 24 A Green Synthesis of Adipic Acid 25 Preparation of Bromotriphenylmethane and the Trityl Free Radical 26 Chain-Growth Polymerization of Styrene and Methyl Methacrylate 27 Synthesis of Ethanol by Fermentation 28 Reaction of Butanols with Hydrobromic Acid 29 Borohydride Reduction of Vanillin to Vanillyl Alcohol 30 Synthesis of Triphenylmethanol and the Trityl Carbocation 31 An Unexpected Reaction of 2,3-Dimethyl-2,3-butanediol 32 Identification.

Sulphur, an Essential to Industry and Agriculture

Where To Download Lange Handbook Of Chemistry 16th Edition

This comprehensive laboratory text provides a thorough introduction to all of the significant operations used in the organic lab and includes a large selection of traditional-scale and microscale experiments and minilabs. Its unique problem-solving approach encourages students to think in the laboratory by solving a scientific problem in the process of carrying out each experiment. The Second Edition contains a new introductory section, "Chemistry and the Environment," which includes a discussion of the principles of green chemistry. Several green experiments have been added, and some experiments from the previous editions have been revised to make them greener.

Bulletin de l'UNESCO á l'intention des bibliothéques

Is the most comprehensive and detailed presentation of lab techniques available for organic chemistry students - and the least expensive. It combines specific instructions for 3 different kinds kinds of laboratory glassware and offers extensive coverage of spectroscopic techniques and a strong emphasis on safety issues.

Lange's Handbook of Chemistry, 70th Anniversary Edition

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. A thoroughly revised all-in-one guide to synthetic and alternative energy This fully updated resource discusses the benefits and trade-offs of numerous alternative fuels and contains complete coverage of the properties, processes, and performance characteristics of each fuel. You will get detailed explanations of the concept systems and technologies involved in fuel production on both industrial and individual scales. Written by internationally renowned fuels expert Dr. James G. Speight, Synthetic Fuels Handbook: Properties, Process, and Performance, Second Edition, contains the latest data and applications for gaseous, liquid, and solid fuels from a wide range of sources. Covers fuels from: Natural gas Crude oil Heavy oil Tar sand bitumen Coal Oil shale Biomass Crops Wood Domestic waste Industrial waste Landfill gas Synthesis gas

Reference Sources for Small and Medium-sized Libraries

The Definitive, Up-to-Date, Student-Friendly Guide to Separation Process Engineering—With More Mass Transfer Coverage and a New Chapter on Crystallization Separation Process Engineering, Fourth Edition, is the most comprehensive, accessible guide available on modern separation processes and the fundamentals of mass transfer. In this completely updated edition, Phillip C. Wankat teaches each key concept through detailed, realistic examples using real data—including up-to-date simulation practice and spreadsheet-based exercises. Wankat thoroughly covers each separation process, including flash, column, and batch distillation; exact calculations and shortcut methods for multicomponent distillation; staged and packed

column design; absorption; stripping; and more. This edition provides expanded coverage of mass transfer and diffusion, so faculty can cover separations and mass transfer in one course. Detailed discussions of liquid-liquid extraction, adsorption, chromatography, and ion exchange prepare students for advanced work. Wankat presents coverage of membrane separations, including gas permeation, reverse osmosis, ultrafiltration, pervaporation, and applications. An updated chapter on economics and energy conservation in distillation adds coverage of equipment costs. This edition contains more than 300 new, up-to-date homework problems, extensively tested in undergraduate courses at Purdue University and the University of Canterbury (New Zealand). Coverage includes New chapter on crystallization from solution, including equilibrium, chemical purity, crystal size distribution, and pharmaceutical applications Thirteen up-to-date Aspen Plus process simulation labs, adaptable to any simulator Eight detailed Aspen Chromatography labs Extensive new coverage of ternary stage-by-stage distillation calculations Fraction collection and multicomponent calculations for simple batch distillation New mass transfer analysis sections on numerical solution for variable diffusivity Mass transfer to expanding or contracting objects, including ternary mass transfer Expanded coverage of pervaporation Updated Excel spreadsheets offering more practice with distillation, diffusion, mass transfer, and membrane separation problems

Purification of Laboratory Chemicals

This valuable guide takes organic chemists through the basic techniques of the organic chemistry lab such as interpretation of infrared spectroscopy. The eighth edition has been revised to include updated coverage of NMR Spectroscopy and UV spectroscopy. New questions at the end of chapters reinforce the skills and techniques learned. Emphasis is placed on green chemistry in the lab, focusing on the more environmentally friendly materials that can be used. In addition, updated discussions are included on safety, distillation, gas chromatography, and liquid chromatography. This gives organic chemists the most up-to-date information to enhance their lab skills.

Bell Telephone System Technical Publications

The lithosphere is the outer solid part of the earth, including the crust and uppermost mantle. The lithosphere is about 100 km thick, although its thickness is age dependent (older lithosphere is thicker).The lithosphere below the crust is brittle enough at some locations to produce earthquakes by faulting, such as within a subducted oceanic plate. This book presents leading research in the field from around the globe.

The Lithosphere

A standard reference for chemists for 70 years, this new Sixteenth Edition features an enormous compilation of facts, data,

tabular material, and experimental findings in every area of chemistry. Included in this massive compendium are listings of the properties of approximately 4,400 organic and 1,400 inorganic compounds. This Sixteenth Edition offers 40% new or extensively revised content and starting with this edition, the author includes equations that allow users to calculate important values such as temperature and pressure. Contents: Organic Compounds * General Information, Conversion Tables, and Mathematics * Inorganic Compounds * Properties of Atom, Radicals, and Bonds * Physical Properties * Thermodynamic Properties * Spectroscopy * Electrolytes, Electromotive Force and Chemicals * Physicochemical Relationships * Polymers, Rubbers, Fats, Oils, and Waxes * Practical Laboratory Information

Basics of Analytical Chemistry and Chemical Equilibria

Includes bibliographical references (p. 1509-1813).

Encyclopedia of Physical Sciences and Engineering Information Sources

Synthetic Fuels Handbook

A best seller since 1966, Purification of Laboratory Chemicals keeps engineers, scientists, chemists, biochemists and students up to date with the purification of the chemical reagents with which they work, the processes for their purification, and guides reader on critical safety and hazards for the safe handling of chemicals and processes. The Sixth Edition is updated and provides expanded coverage of the latest chemical products and processing techniques, safety and hazards. The book has been reorganised and is now fully indexed by CAS Registry Numbers. Compounds are now grouped to make navigation easier and literature references for all substances and techniques have been added, and ambiguous alternate names and cross references have been removed. The only comprehensive chemical purification reference, a market leader since 1966, Amarego delivers essential information for research and industrial chemists, pharmacists and engineers: ' (it) will be the most commonly used reference book in any chemical or biochemical laboratory' (MDPI Journal) An essential lab practice and procedures manual. Improves efficiency, results and safety by providing critical information for day-to-day lab and processing work. Improved, clear organization and new indexing delivers accurate, reliable information on processes and techniques of purification along with detailed physical properties. The Sixth Edition has been reorganised and is fully indexed by CAS Registry Numbers; compounds are now grouped to make navigation easier; literature references for all substances and techniques have been added; ambiguous alternate names and cross references removed; new chemical products and processing techniques are covered; hazards and safety remain central to the book.

The Chemistry of the Actinide and Transactinide Elements (3rd ed., Volumes 1-5)

Techniques in Organic Chemistry

- More than 6,500 books in the initial clothbound volume, plus more than 2,400 new titles in four annual supplements. - New coverage of biographies, art, sports, Islam and the Middle East, and cultural diversity. - Special focus on graphic novels, primary source materials, nonbook materials, and periodicals. - Analytic entries for items in collections and anthologies.

New Horizons of Process Chemistry

Studi in onore di Edoardo Volterra

Encyclopedia of the Elements

Refineries and petrochemical engineers today are accepting more unconventional feedstocks such as heavy oil and shale, causing unique challenges on the processing side of the business. To create more reliable engineering design of process equipment for the petrochemical industry, petroleum engineers and process managers are forced to study the physical properties and compounds of these particular hydrocarbons. Instead of looking up each compound's information, The Yaws Handbook of Physical Properties for Hydrocarbons and Chemicals, Second Edition presents an easy-to-use format with rapid access to search for the particular compound and understand all the complex calculations in one tabular format.

Understanding the composition of hydrocarbons is not easy to calculate quickly or accurately, but this must-have reference leads the engineer to better estimated properties and fractions from easily measured components. Expanded to cover more total compounds and relevant functions, The Yaws Handbook of Physical Properties for Hydrocarbons and Chemicals, Second Edition remains a necessary reference tool for every petrochemical and petroleum engineers' library. Coverage added on elements for hydrocarbons and chemicals with more than 200 real-world cases included for practicality Increased compound coverage from 41,000 to 54,000 total compounds to quickly access for everyday use New functions added such as testing boiling point temperature and new data on density and refractory index

A Microscale Approach to Organic Laboratory Techniques

Applied Biopharmaceutics and Pharmacokinetics

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Fully updated processes for the production of renewable and environmentally safe biofuels This thoroughly revised guide presents a complete and up-to-date introduction to biofuels process technology. Written by a team of industry-leading experts, Biofuels Engineering Process Technology, Second Edition shows, step by step, how renewable feedstocks are processed and how biofuels are refined. You will explore the entire spectrum of biofuel processes, including the production of ethanol from sugarcane and corn, biodiesel from animal fats and plant oils, and methane by anaerobic digestion. The book clearly explains newly developed technologies for the production of drop-in biofuels and the use of microbial fuel cells to produce electricity. Coverage includes:

- An introduction to biofuel engineering processes
- Harvesting energy from biochemical reactions
- Microbial modeling of biofuel production
- Biofuels feedstocks
- Ethanol
- Biodiesel
- Drop-in biofuels
- Biological production of hydrogen
- Microbial fuel cells
- Methane

And more

Chemical Information and Computation

Lange's Handbook of Chemistry

The methodologies and technologies adaptable to process chemistry are the focus of this unique book, as new catalysts, reactions, and methods for the synthesis of functional materials are dealt with in depth for the first time. Those materials take in pharmaceuticals, agrochemicals, functional materials, chemical raw materials, and other substances in the field of process chemistry including green chemistry. Process chemistry underpins the competitiveness of chemical and pharmaceutical industries, but its stagnation is estimated to cause industrial depression and excessive loss. For that reason, chemists focus on process chemistry consistently so that the development of novel and efficient new reactions and technologies provides an essential stimulus. In addition, this volume describes the important development of selected new synthetic devices for process development and the process design for a larger scale, thus furnishing a valuable source for all who are engaged in process chemistry.

Operational Organic Chemistry

The Organic Chem Lab Survival Manual

Wilson's Public Library Core Collection: Nonfiction (13th Edition, 2008) recommends reference and nonfiction books for the general adult audience. It is a guide to over 9,000 books (over 6,500 titles are new to this edition), plus review sources and other professional aids for librarians and media specialists. Acquisitions librarians, reference librarians and cataloguers can all use this reliable guide to building and maintaining a well-rounded collection of the most highly recommended reference and nonfiction books for adults. All titles are selected by librarians, editors, advisors, and nominators—all of them experts in public library services. The collection is a valuable tool for collection development and maintenance, reader's advisory, weeding your collection, and curriculum support. Richly enhanced records provide a wealth of useful information. All entries include complete bibliographic data as well as price, subject headings, annotations, grade level, Dewey classification, cover art, and quotations from reviews. Many entries also list awards, best-book lists, and starred reviews. Save Time: Efficiently organised and includes ""Starred"" titles Save Money: Allocate your resources to the best materials available Stay Relevant: Discover the best in important, contemporary categories Complete Coverage: Includes recommendations on periodicals and electronic resources, too Four-Year Subscription This Core Collection was originally sold as a four-year subscription. The core edition, published in 2008, delivers a library-bound volume with an extensive, selective list of recommended books. From 2009 to 2011 Wilson published extensive paperback supplements to the 2008 edition. A new cycle of materials will begin in 2012. However, the 2008 to 2011 materials are currently available. Buyers of them will receive all these materials immediately. All four years are only \$420. Uniquely Valuable There is nothing quite like Wilson Core Collections. The accumulated expertise of our selectors, and the unquestioned reputation of these collections, is invaluable. Wilson Core Collections are universally recognised as impartial and expert aids to collection development that assist and reinforce the judgement of librarians everywhere. Selection to a Wilson Core Collection is strong support to any challenged purchase. Contemporary Relevance This Core Collection includes broad updates in the areas of crafts; terrorism, and international security; environment and global warming; diseases and medicine; and religion, plus other contemporary topics that keep the library's collection as current as today's headlines. Other Key Features Classified Catalogue - A list arranged by Dewey Decimal Classification, with complete cataloguing information for each book. Author, Title, Subject and Analytical Index - An in-depth key to the information in Classified Catalogue—including author and title analytics for works contained in anthologies and collections. Richly enhanced records provide complete bibliographic data, price, subject headings, descriptive annotations, grade level, Dewey classification, evaluative quotations from a review, when available. Listing works published in the United States, or published in Canada or the United Kingdom and distributed in the United States, Public Library Core Collection: Nonfiction features extensive revisions in the areas of health, science and technology, personal finance, sports, cooking and gardening, and handicrafts. Biography, poetry and literary criticism continue to receive comprehensive treatment. Reference works in all subject fields are included.

Perry's Chemical Engineers' Handbook, 9th Edition

Famous for its history of numerous element discoverers, Sweden is the origin of this comprehensive encyclopedia of the elements. It provides both an important database for professionals as well as detailed reading ranging from historical facts, discoverers' portraits, colour plates of mineral types, natural occurrences, and industrial figures to winning and refining processes, biological roles and applications in modern chemistry, engineering and industry. Elemental data is presented in fact tables which include numerous physical and thermodynamic properties, isotope lists, radiation absorption characteristics, NMR parameters, and others. Further pertinent data is supplied in additional tables throughout the text. Published in Swedish in three volumes from 1998 to 2000, the contents have been revised and expanded by the author for this English edition.

Separation Process Engineering

The Go-To Reference for Chemists for More Than 70 Years – Completely Updated to Include Today's Essential Topics
Lange's Handbook of Chemistry, Seventeenth Edition is written to provide a reliable one-stop source of factual information for today's working chemist. Within its pages, you will find an unmatched compilation of facts, data, tabular material, and experimental findings that span every area of chemistry. Included in this fully updated Seventeenth Edition are listings of the properties of more than 4,000 organic and 1,400 inorganic compounds. The Seventeenth Edition is enhanced by the addition of an all-new section on Naturally Occurring Chemicals and Chemical Sources. This timely new content includes descriptions of coal, crude oil, natural gas, tar sand and tar sand bitumen, oil shale, biomass and biofuels, and minerals. Sections include: • Inorganic Chemistry • Organic Chemistry • Naturally Occurring Chemicals and Chemical Sources • Spectroscopy (available online at www.mhprofessional.com/Langes) • General Information and Conversion Tables (available online at www.mhprofessional.com/Langes) If you prefer the convenience of one authoritative resource, rather than a multitude of scattered and diverse references, Lange's Handbook of Chemistry, Seventeenth Edition belongs on your desk.

The Yaws Handbook of Physical Properties for Hydrocarbons and Chemicals

A standard reference for chemists for 70 years, this new Sixteenth Edition features an enormous compilation of facts, data, tabular material, and experimental findings in every area of chemistry. Included in this massive compendium are listings of the properties of approximately 4,400 organic and 1,400 inorganic compounds. This Sixteenth Edition offers 40% new or extensively revised content and starting with this edition, the author includes equations that allow users to calculate important values such as temperature and pressure. Contents: Organic Compounds * General Information, Conversion Tables, and Mathematics * Inorganic Compounds * Properties of Atom, Radicals, and Bonds * Physical Properties * Thermodynamic Properties * Spectroscopy * Electrolytes, Electromotive Force and Chemicals * Physicochemical Relationships * Polymers, Rubbers, Fats, Oils, and Waxes * Practical Laboratory Information

Multiscale Operational Organic Chemistry

The third edition of this introductory text covers the factors which influence the release of the drug from the drug product and how the body handles the drug. A stronger focus has been placed on the basics with clear explanations and illustrated examples. There is also more information on statistics and population pharmacokinetics and new chapters on drug distribution, computer applications, enzyme kinetics and pharmacokinetics models.

Encyclopedia of Environmental Information Sources

From biofuels, green chemistry, and nanotechnology, this proven laboratory textbook provides the up-to-date coverage students need in their coursework and future careers. The book's experiments, all designed to utilize microscale glassware and equipment, cover traditional organic reactions and syntheses, the isolation of natural products, and molecular modeling and include project-based experiments and experiments that have a biological or health science focus. Updated throughout with new and revised experiments, new and revised essays, and revised and expanded techniques, the Fifth Edition is organized based on essays and topics of current interest. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Senior High Core Collection

Up-to-Date Coverage of All Chemical Engineering Topics—from the Fundamentals to the State of the Art Now in its 85th Anniversary Edition, this industry-standard resource has equipped generations of engineers and chemists with vital information, data, and insights. Thoroughly revised to reflect the latest technological advances and processes, Perry's Chemical Engineers' Handbook, Ninth Edition, provides unsurpassed coverage of every aspect of chemical engineering. You will get comprehensive details on chemical processes, reactor modeling, biological processes, biochemical and membrane separation, process and chemical plant safety, and much more. This fully updated edition covers: Unit Conversion Factors and Symbols • Physical and Chemical Data including Prediction and Correlation of Physical Properties • Mathematics including Differential and Integral Calculus, Statistics, Optimization • Thermodynamics • Heat and Mass Transfer • Fluid and Particle Dynamics • Reaction Kinetics • Process Control and Instrumentation • Process Economics • Transport and Storage of Fluids • Heat Transfer Operations and Equipment • Psychrometry, Evaporative Cooling, and Solids Drying • Distillation • Gas Absorption and Gas-Liquid System Design • Liquid-Liquid Extraction Operations and Equipment • Adsorption and Ion Exchange • Gas-Solid Operations and Equipment • Liquid-Solid Operations and Equipment • Solid-Solid Operations and Equipment • Chemical Reactors • Bio-based Reactions and Processing • Waste Management including Air, Wastewater and Solid Waste Management* Process Safety including Inherently Safer Design • Energy Resources,

Conversion and Utilization* Materials of Construction

Senior High Core Collection

Chemical Properties Handbook

Enables students to progressively build and apply new skills and knowledge Designed to be completed in one semester, this text enables students to fully grasp and apply the core concepts of analytical chemistry and aqueous chemical equilibria. Moreover, the text enables readers to master common instrumental methods to perform a broad range of quantitative analyses. Author Brian Tissue has written and structured the text so that readers progressively build their knowledge, beginning with the most fundamental concepts and then continually applying these concepts as they advance to more sophisticated theories and applications. Basics of Analytical Chemistry and Chemical Equilibria is clearly written and easy to follow, with plenty of examples to help readers better understand both concepts and applications. In addition, there are several pedagogical features that enhance the learning experience, including: Emphasis on correct IUPAC terminology "You-Try-It" spreadsheets throughout the text, challenging readers to apply their newfound knowledge and skills Online tutorials to build readers' skills and assist them in working with the text's spreadsheets Links to analytical methods and instrument suppliers Figures illustrating principles of analytical chemistry and chemical equilibria End-of-chapter exercises Basics of Analytical Chemistry and Chemical Equilibria is written for undergraduate students who have completed a basic course in general chemistry. In addition to chemistry students, this text provides an essential foundation in analytical chemistry needed by students and practitioners in biochemistry, environmental science, chemical engineering, materials science, nutrition, agriculture, and the life sciences.

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