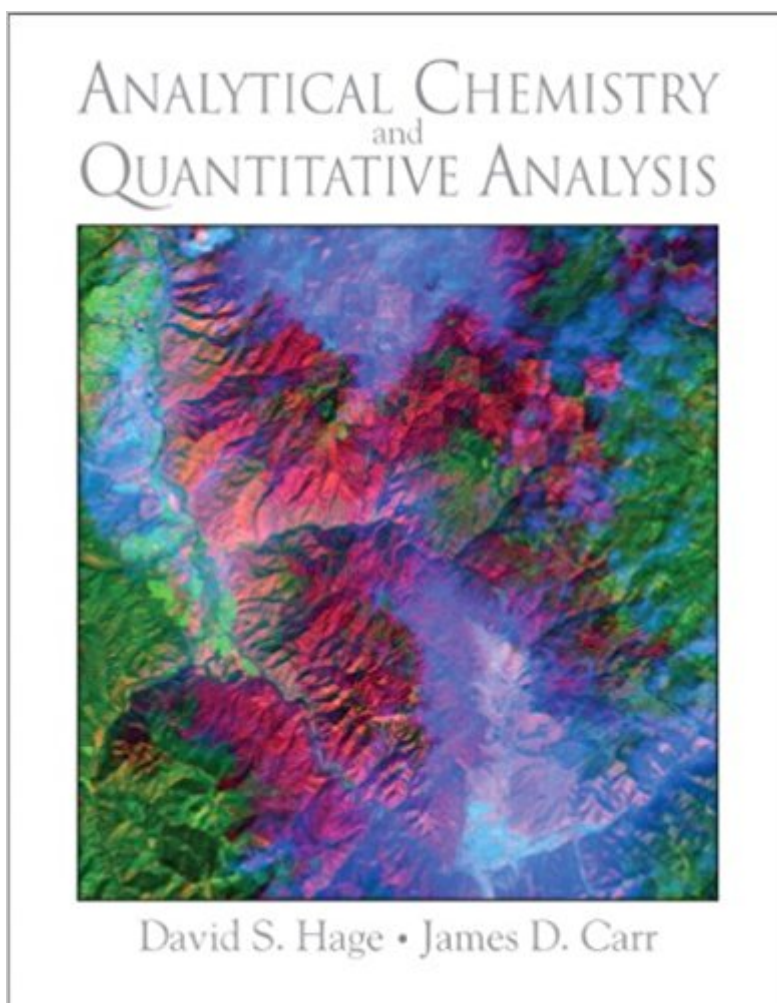


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Analytical Chemistry And Quantitative Analysis



Synopsis

Analytical Chemistry and Quantitative Analysis presents concepts and procedures in a manner that reflects the practice and applications of these methods in today's analytical laboratories. These methods are illustrated by using current examples from fields that include forensics, environmental analysis, medicine, biotechnology, food science, pharmaceutical science, materials analysis, and basic research. The fundamental principles of laboratory techniques for chemical analysis are introduced, along with issues to consider in the appropriate selection and use of these methods including the proper use and maintenance of balances, laboratory glassware, and notebooks, as well as mathematical tools for the evaluation and comparison of experimental results. Basic topics in chemical equilibria are reviewed and used to help demonstrate the principles and proper use of classical methods of analysis like gravimetry and titrations. Common instrumental techniques are also introduced, such as spectroscopy, chromatography and electrochemical methods. Sideboxes discuss other methods, including mass spectrometry and NMR spectroscopy, throughout the text.

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David S. Hage is a professor of analytical and bioanalytical chemistry in the Department of Chemistry at the University of Nebraska, Lincoln. He received his B.S. in chemistry and biology from the University of Wisconsin, La Crosse, his Ph.D. in analytical chemistry from Iowa State University, and he was a postdoctoral fellow in clinical chemistry at the Mayo Clinic. He is a full professor at the University of Nebraska, Lincoln. Dr. Hage is the author of over 145 research publications, reviews and book chapters. He recently edited a book entitled the Handbook of Affinity Chromatography (Taylor Francis) and is a coauthor on the textbook Chemistry: An Industry-Based Introduction (CRC Press). He received the 1995 Young Investigator Award from the American Association for Clinical Chemistry and the 2005 Excellence in Graduate Education Award from the University of Nebraska, Lincoln. He was made a Bessey Professor of Chemistry in 2006 at the University of Nebraska.

James D. Carr is a professor of analytical chemistry in the Department of Chemistry at the University of Nebraska, Lincoln. He received his B.S. in chemistry from Iowa State University and his Ph.D. in chemistry from Purdue University. He was then a postdoctoral fellow at the University of North Carolina, Chapel Hill. He is a full professor at the University of Nebraska, Lincoln. Dr. Carr is the author of approximately 50 research publications and articles. He is the coauthor of Chemistry: A World of Choices (McGraw-Hill), a liberal arts general chemistry textbook. He is also the author or coauthor of several versions of general chemistry and quantitative analysis lab manuals and study guides (genchem only). He has won several teaching awards, including the University of Nebraska Distinguished Teaching Award in 1981; University of Nebraska Recognition Awards for Contributions to Students in 1992, 1993, 1994, 1995, and 2000; and the University of Nebraska Outstanding Teaching and Instructional Creativity Award in 1996. He is a member of the University of Nebraska, Lincoln Academy of Distinguished Teachers and received the Distinguished Teacher Award from the Nebraska Teaching Improvement Council in 2001.

The course I took covered all chapters. I thought this was a GREAT textbook for learning analytical

chemistry. If you need to save time, get the Solutions Manual for detailed explanations to the chapter exercises. The only other sources I used was Quantitative Chemical Analysis (Harris, 8th ed.) and the ChemLibre online texts for a particular experiment of extracting and measuring caffeine in chocolate.

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The book is the best choice for studying analytical chemistry. It combines the stuff from Analytical textbooks by Harris and Skoog presents it in a very understandable manner.

Excellent

Great

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