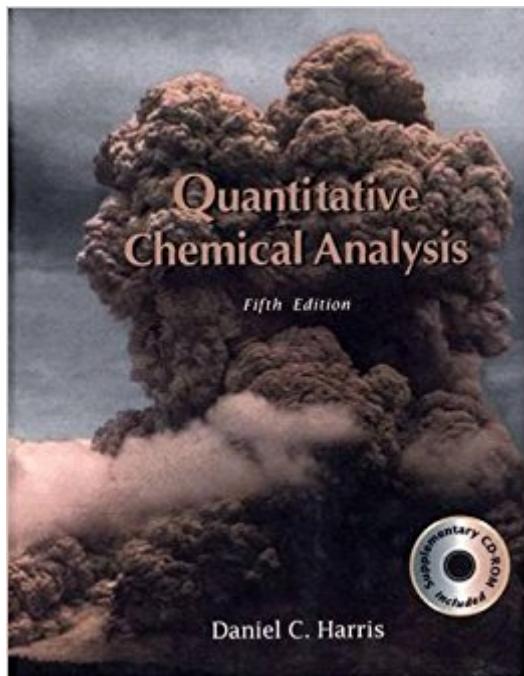


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Quantitative Chemical Analysis



Synopsis

The world's best-selling introduction to the tools and techniques of analytical chemistry is back in a new edition. Thoroughly revised and including cutting-edge research methods, the book retains the author's witty, personable writing style of the earlier editions. It is loaded with real-life examples, beginning with a chemical analysis of how much caffeine is in a chocolate bar, and includes many more problems - hundreds on CD-ROM along with spreadsheet data files - and a handy chapter on calibration

Book Information

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Customer Reviews

One of the best written textbooks in any area of chemistry. Here is a measure of the quality of this book. When I was graduate school, most of our research group owned a copy of Harris and we kept it on our shelves for handy reference. We had all purchased it as undergraduates but kept it because we LIKED it and found it so darn useful. It is an excellent general reference for anybody whose work involves chemical analysis. The tables of acid dissociation constants and redox half-potentials are some of the most extensive you will find any textbook. When I first started teaching, I used Skoog & West on the basis of my predecessor's recommendation. However, during my first semester, I found myself constantly referring to Harris because of its clear explanations and good examples. In the second semester, I conducted a head-to-head competition with students reading a chapter on the same material from both Harris and from Skoog. The overwhelming student preference was for Harris and I have used it in my classes ever since. Readers who don't like Harris aren't going to be happy with any analytical chemistry textbook.

This book has become the new standard for both quantitative and instrumental analysis courses. Goodby, Skoog! The textbook (in different editions) has been used for our Quantitative Analysis course for several years, with excellent results. I am currently adopting it for my Instrumental Methods of Analysis course. Although I will need to supplement some material (FTNMR is not covered, for example), the main important instrumental techniques ARE covered very well - straight and to the point! As for the prior poor reviews, well the problem seems to me to be in the student, not the textbook!

Jeez, I can't believe some people don't like this text! It's always been one of my faves, and ditto for my colleagues! In all the years I was in school, I never ran across a text that was written with such a friendly tone, and simultaneously discussed difficult concepts so clearly. Harris' discussions of acid/base and complexometric chemistry is particularly nice, and he even goes out of his way to discuss the preparation of around 30 a/b indicator solutions. Not something you'd find in every text! The problems given at the end of each chapter were great and usually very fun to do (as opposed to Pchem problems, which always made me want to shoot myself). The new edition (1998) was a nice expansion of the previous ones, and I can't recommend it highly enough. BRAVO, Daniel!

When I first bought this textbook I was rather intimidated by the dark, foreboding cover. However, when I got into it I found it was my favorite textbook to read. It is written in a conversational tone that is no less effective in teaching the concepts and skills of analytical chemistry. Harris also interjects short sections at the end of some of the chapters on interesting facts in chemical history, like "The Smallest Titration" and "The Largest Voltaic Cell." I will definitely keep it to use for review in my graduate studies.

The first few chapters of the text, on error analysis are the most important chapters of the entire book. His presentation of propagation of error is excellent.

Just to be clear, the book quality was great (no tears, missing pages, etc.), but this book is NOT going to cut it if you are taking a college-level quantitative chem class. Sometimes you can get away with an older edition of a text, but unfortunately, this is not one of them. There are many new formulas and methods in the newer editions that this one does not have.

I respect all reviews, but in my opinion, It is very important the Professor in order the student can feel comfortable in the class, for this reason I think some customer reviews of this book (before the first time I placed my review by 17-august-2000) are biased. In my opinion this book is very good, one of the best among several analytical chem. books, even though its CD could be improved a lot. However, if anybody wants to learn about Analytical chemistry, in general, this book is an excellent reference. It takes some European style for some classic topics in analytical chemistry (e.g. equilibrium)which is pretty good. Topics about analytical chemistry instrumentation have a good level and are updated (according the time that the book was published).

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