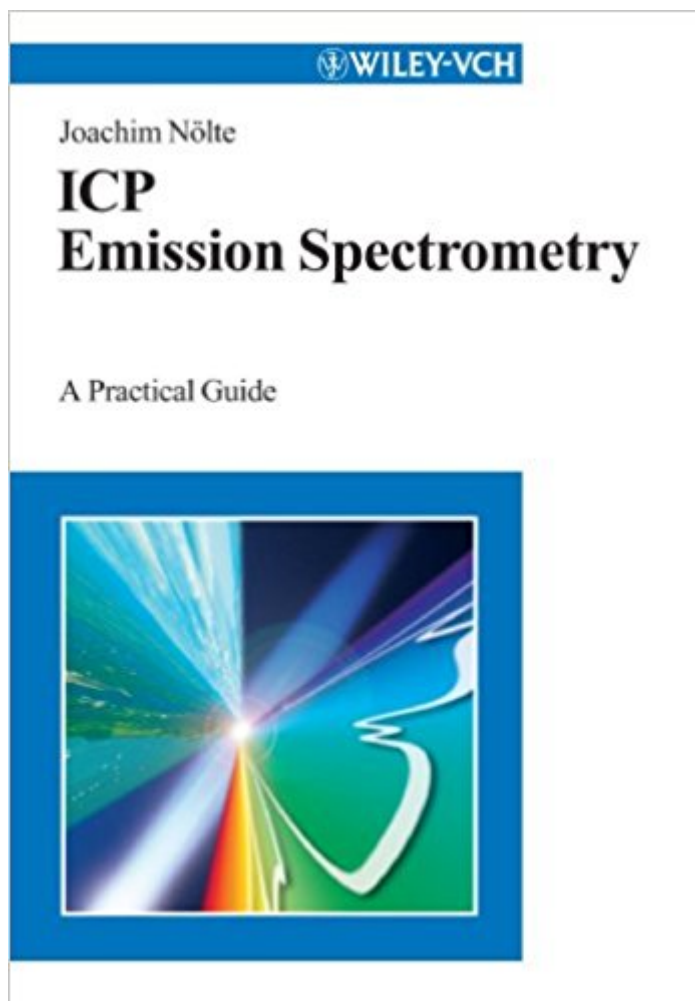


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# ICP Emission Spectrometry



## Synopsis

All the essentials needed for successful ICP OES analyses. Using a clear and comprehensive style, the author introduces practitioners to ICP emission spectrometry, covering the basics as well as information on the instrumentation, instructions on how to develop methods and numerous concrete examples. The layout is extremely reader-friendly and well structured, with the author highlighting typical questions and problems, while also providing checklists and detailed instructions for implementation. Thus, this book is not intended merely for the readers' own training and further education, but its sections on maintenance and troubleshooting also make it a reliable source for lab chemists. Throughout, the author draws on his knowledge and experience gained over the last 20 years in developing spectrometers for a leading manufacturer and in training and advising users as a freelance consultant. Knowledge now available to all users of ICP OES.

## Book Information

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## Customer Reviews

"...crammed with useful tips and pointers...this book should find its way to the laboratory bookshelf and be in constant use by practitioners." *Clinical Chemistry* "...a wonderful collection of useful practical advice for the operation of ICP emission spectrometers...this reviewer highly recommends this book as a guide that should be sitting beside every ICP instrument..." *Journal of the American Chemical Society*, Vol. 125

All the fundamentals needed for successful ICP OES analyses. Using a clear and comprehensive

style, the author introduces practitioners to ICP emission spectrometry, covering the basics as well as information of device technology, instructions on how to develop methods and numerous concrete examples. The layout is extremely reader-friendly and well structured, with the author highlighting typical questions and problems, while also providing checklists and detailed instructions for implementation. Thus, this book is not intended merely for the readers' own training and further education, but its sections on maintenance and troubleshooting also make it a reliable source for lab chemists. Throughout, the author draws on his knowledge and experience gained over the last 20 years in developing devices for a leading manufacturer and in training and advising users as a freelance consultant. Knowledge now available to all users of ICP OES.

This book is very thorough in theory and application regarding the ICP-OES hence the title "A Practical Guide". This book goes into detail about the history of different component and how it affects the analysis. In addition, the author also discussed about the data acquisition and spectra correction. Everything written in this book is very hand-on, which explain little snippet of question every 10-15 pages and how to solve them. It is a well worth the investment for anyone who is new to this application, and I highly recommend it. One last note: this book offers guidance on the instrument and not sample preparation.

Best book so far on practical applications for ICP Spectrometers, well worth the money. It is loaded with ideas and tips for producing better results, and plenty of information one could only get from years of experience.

This well-written, well-organized book makes an excellent supplement for any ICP chemist, covering a plethora of information from ICP theory, instrumentation, method development, quality control, and trouble shooting. It is ideal for a straight read-through, but will also function well as a quick reference guide that should be kept with the user's guides right next to the ICP computer. Additionally, it offers pages of references to other useful ICP reading materials and data for anyone who wishes to know more about any specific topic covered in the book.

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