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The title emphasizes that this book deals about analytical chemistry, but the topics described are all related to pharmaceuticals. However, the book is not limited to pharmaceuticals only. The content is primarily for pharmacy and pharmaceutical science students approaching the pharmaceutical sciences from university level. It is also intended for those who have basic knowledge in organic and inorganic pharmaceutical chemistry, analytical chemistry and pharmacology. In the first edition, we have tried to touch the fundamentals of the most analytical techniques. Considering the importance of impure analytical chemistry, we go through details but we will emphasize more on the theory and its applications and the details in current pharmaceutical and biopharmaceutical analysis. The book is divided into 21 chapters. The first 10 chapters cover the general pharmaceutical topics such as identification, quantification and estimation of drugs in pharmaceutical preparations, and identification and quantification of drugs in biological samples. The remaining chapters discuss the pharmaceutical applications in not found in the first edition.

In this second edition written in Norwegian by Reidar Federsvig, Ørjan Aune and Knut Kausland was published in 2006 (ISBN 978-82-7774-392-9) and this was translated into English in 2008 (ISBN 978-0-19-954281-7). The manuscript was translated to English and revised by Reidar Federsvig, Knut Kausland, and Sigrun Ronne Hansen in 2012. In the process of revision, the author names has changed. Knut Kausland has retired and Reidar Federsvig has moved away in the autumn 2017. Reidar is acknowledged for his contribution to the project 2004–2010, and for his highly valuable advice during the revision of the second edition. Sigrun is acknowledged for her work in translation and revision of the second edition. She has been a co-author of the present edition of the book, and the valuable experience from the previous edition has been used in the contents and improvements of the present edition until autumn 2017. We also