



Instrumental Methods of Chemical Analysis

By V. K. Ahluwalia

Ane Books Pvt. Ltd., 2015. Hardcover. Book Condition: New. First edition. Before the invent of instruments, identification of compounds involved chemical methods for the determination of elements, functional group present and degradation of the compounds by chemical means. In addition to these, volumetric and gravimetric procedure were also used for various estimations. However, with the development of instrumental methods, chemical analysis has now been routinely used. These methods need only a few milligram of the compounds, which can also be recovered and used again in most of the instrumental methods. The book entitled 'Instrumental Methods of Chemical Analysis' is divided into seven parts. Part I deals with a brief introduction to instrumental methods of chemical analysis. Part II deals with chromatography which deals with methods of separation of a mixture of compounds into individual components and their structure determination. Various chromatographic methods include Paper chromatography, Thin layer chromatography, Gas chromatography, High performance liquid chromatography, Gas chromatography, Ion-exchange chromatography and Electro chromatography. Part III deals with thermal methods of chemical analysis. These include thermogravimetric analysis, Differential thermal analysis, Thermometric titrations and some miscellaneous thermal methods like derivative thermogravimetric analysis, thermobarography, differential scanning calorimetry, thermomechanical analysis and electric thermal analysis. Electrochemical methods are described...

Reviews

I just began looking over this pdf. It is one of the most amazing pdf i have study. I discovered this book from my dad and i recommended this pdf to understand.

-- **Merritt Kilback II**

Good e book and useful one. I have got read and that i am confident that i will likely to go through once more again later on. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Angela Blick**