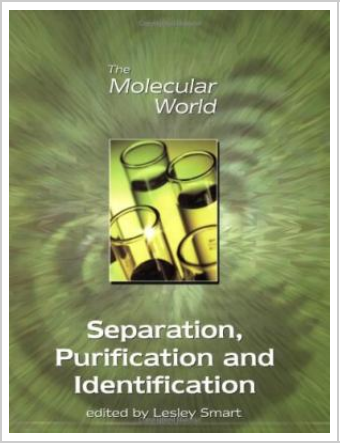

Separation, Purification and Identification

By Lesley E. Smart, Giles Clark, Open University

Royal Society of Chemistry. Paperback. Book Condition: new. BRAND NEW, Separation, Purification and Identification, Lesley E. Smart, Giles Clark, Open University, This book looks at the common techniques used to prepare, purify and identify chemicals. Topics including distillation, recrystallisation, chromatography, elemental analysis, atomic absorption spectroscopy and mass spectrometry are discussed, and are illustrated on video on the accompanying CD-ROMs. Infrared and nuclear magnetic resonance spectroscopy are covered entirely through multi-media, with animations and virtual experiments. The reader is provided with examples for interpretation, and can draw in the structures using the software provided. There is also a set of interactive self-assessment questions. In all, the multi-media software suite comprises more than twelve hours of material. Separation, Purification and Identification concludes with a Case Study on Forensic Science, in which illustrations of criminal cases where spectroscopic techniques provided evidence are given. The Molecular World series provides an integrated introduction to all branches of chemistry for both students wishing to specialise and those wishing to gain a broad understanding of chemistry and its relevance to the everyday world and to other areas of science. The books, with their Case Studies and accompanying multi-media interactive CD-ROMs, will also provide valuable resource material for...

Reviews

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