

# Organic Analytical Chemistry: Theory and Practice

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# Reviews

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# ORGANIC ANALYTICAL CHEMISTRY: THEORY AND PRACTICE



Narosa Publishing House, 2014. Softcover. Condition: New. 5th or later edition. This book is written primarily for the of students of organic chemistry and pharmaceutical sciences in organic analytical chemistry. Key Features Identification and characterization of organic compountds by classical methods ? Mechanism of various reactions involved in the detection of functional groups and their derivatization ? Functional groups interfering with a given test procedure ? Identification of organic compounds by spectral methods (IR, UV, NMR and Mass Spectrometry) ? Chemical analysis of other instrumental techniques -Atomic emission spectroscopy, Electron spin resonance spectroscopy, fluorimetry & Phosphorimetry, Flame photometry and X-ray methods ? General techniques for separation and purification including Gas Chromatography and HPLC ? Preparation of organic compounds based on important name reactions and pharmaceutical properties ? Mechanism of the reactions involved in the synthesis ? Simple analytical techniques and specific methods of quantitative elemental, functional groups and biochemical estimations Composite spectral problems Table of Contents Preface / Part I: Qualitative Analysis ? Organic Analysis of Functional Groups and their Derivatization: Identification of Unknown Compounds / Identification of Simple Binary and Ternary Mixtures of Organic Compounds / Confirmatory Tests of Common Organic Compounds, their Derivatization and Classified Tables including Melting and Boiling Points / Part II: Qualitative Analysis (Spectral Methods): Infrared Spectroscopy / Nuclear Magnetic Resonance Spectroscopy / Mass Spectrometry / Ultra-Violet Spectroscopy / Instrumental Techniques for Chemical Analysis / Part III: General Techniques for Separation, Purification and Preparation of Organic Compounds: General Techniques for Separation and Purification of Organic Compounds / Organic Preparations / Part IV: Quantative Elemental, Functional Groups and Biochemical Estimations: Estimations of Elements / Estimation of Functional Groups / Quantitative Biochemical Estimations / Composite spectral problems / Appendices Printed Pages: 675.

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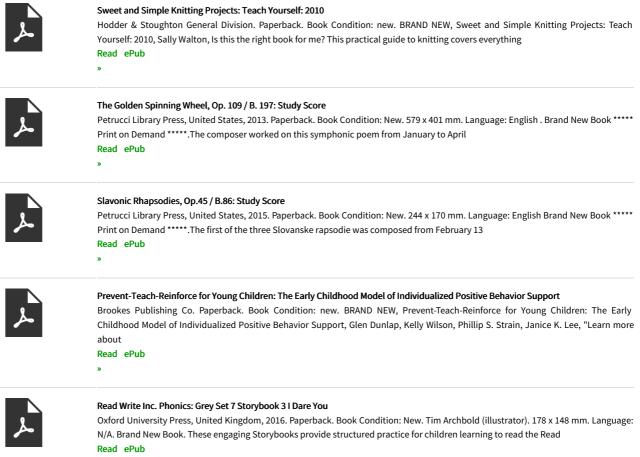
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