



Clarke's Analysis of Drugs and Poisons

Product Description

This practical online resource provides the definitive source of analytical data for drugs and poisons. It is intended for use primarily by scientists faced with the need to identify and quantify these substances in body fluids, tissue samples and pharmaceutical and industrial products.

31 Sections cover all practice areas and analytical procedures used in analytical toxicology including drugs and alcohol in driving, drugs in sport, workplace drug testing and postmortem toxicology.

Written by more than 40 international experts and boasting an editorial advisory board of over 45 world renowned scientists, Clarke's Analysis of Drugs and Poisons is the complete online analytical toxicology reference.

Purpose

- To represent the combined knowledge of the analytical and forensic toxicology community
- To provide an unrivalled depth of global coverage
- To be the definitive source of analytical data for drugs and poisons

Uses

- As a teaching resource for students and new staff
- For information about appropriate analytical methods for specific groups or individual drugs
- For application in drug development, in clinical cases and in forensic investigations
- Information on therapeutic drugs, drugs of abuse, pesticides and other substances

Key Coverage

- Immunoassays, ultraviolet, visible and fluorescence spectrophotometry
- Infra-red, near-infrared, Raman and nuclear magnetic resonance spectroscopy
- Mass spectrometry
- Thin-layer, gas and high performance liquid chromatography
- Capillary electrophoresis

- Additional information includes applications of analytical toxicology techniques in areas such as:
 - Hospital, forensic and post-mortem toxicology
 - Alcohol, drugs and driving
 - Workplace drug testing
 - Analysis of hair and saliva
 - Drug abuse in sport
 - Therapeutic drug monitoring
 - Poisoning by natural toxins
 - Volatile substance abuse
 - Pesticide poisoning
 - Poisoning by metals and anions
 - Over 1730 monographs detailing physical properties, analytical methods, pharmacokinetic data, ultraviolet, infra-red and mass spectra, and therapeutic and toxicity data of drugs and poisons
 - Expanded indexes and appendices including CAS Registry Number, empirical formula, molecular weight, TLC, GC and HPLC systems data, and therapeutic class

Updates

The content is revalidated or revised annually. This process involves both scheduled, in-depth revision on a chapter-by-chapter basis and updates in reaction to new information as it arrives.

Focus

Clarke's Analysis of Drugs and Poisons contains unrivalled data gathered from simple chemical methods to complex instrumental techniques.

Audience

- Pharmaceutical analysts
- Forensic and clinical toxicologists
- Clinical pharmacologists
- Clinical and forensic laboratories
- Poison information centres
- Pathologists, hospital pharmacists

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