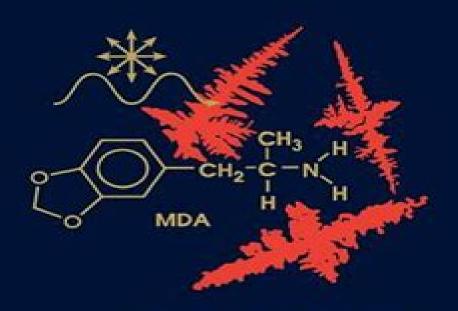
HANDBOOK OF

FORENSIC DRUG ANALYSIS



Edited by Frederick P. Smith Series Editor Jay A. Siegel

Handbook Of Forensic Drug Analysis

Cynthia Holt

Handbook Of Forensic Drug Analysis:

Handbook of Forensic Drug Analysis Fred Smith, 2004-12-31 The Handbook of Forensic Drug Analysis is a comprehensive chemical and analytic reference for the forensic analysis of illicit drugs With chapters written by leading researchers in the field the book provides in depth up to date methods and results of forensic drug analyses This Handbook discusses various forms of the drug as well as the origin and nature of samples It explains how to perform various tests the use of best practices and the analysis of results Numerous forensic and chemical analytic techniques are covered including immunoassay gas chromatography and mass spectrometry Topics range from the use of immunoassay technologies for drugs of abuse testing to methods of forensic analysis for cannabis hallucinogens cocaine opioids and amphetamine The book also looks at synthetic methods and law enforcement concerns regarding the manufacture of illicit drugs with an emphasis on clandestine methamphetamine production This Handbook should serve as a widely used reference for forensic scientists toxicologists pharmacologists drug companies and professionals working in toxicology testing labs libraries and poison control centers It may also be used by chemists physicians and those in legal and regulatory professions and students of graduate courses in forensic science Contributed to by leading scientists from around the world The only analysis book dedicated to illicit drugs of abuse Comprehensive coverage of sampling methods and various forms of analysis of Drug Analysis Ray H. Liu, Daniel E. Gadzala, 1997 Covers preliminary test and chromatographic methods in forensic drug testing Reviews identification methods such as molecular spectrophotometry nuclear magnetic resonance and mass spectrometry Discusses the fundamental relationship between instrumentation and drug analysis Evaluates the characteristics and pretreatment approaches for common sample categories Presents in depth test result interpretation on issues commonly encountered in workplace drug urinalysis Analyzes and compares performance characteristics of immunoassays commonly used for workplace drug urinalysis The Forensic Laboratory Handbook Ashraf Mozayani, Carla Noziglia, 2007-11-08 A comprehensive and easy to read introduction to the work of the modern forensic laboratory. The authors explain in simple language the capabilities and limitations of modern forensic laboratory procedures techniques analyses and interpretations Here the interested reader will find an understandable and fascinating introduction to the complex worlds of forensic serology DNA chemistry crime reconstruction digital evidence explosives arson fingerprints firearms tool marks odontology and pathology Additional chapters address the problems of assuring quality and seeking trace evidence in the forensic laboratory Information Resources in Toxicology P.J. Bert Hakkinen, Asish Mohapatra, Steven G. G. Gilbert, 2009-08-19 This latest version of Information Resources in Toxicology IRT continues a tradition established in 1982 with the publication of the first edition in presenting an extensive itemization review and commentary on the information infrastructure of the field This book is a unique wide ranging international annotated bibliography and compendium of major resources in toxicology and allied fields such as environmental and occupational health chemical safety and risk assessment

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