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Descrizione fisica	1 online resource (222 p.)
Collana	Analytical techniques in the sciences
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Soggetti	Drugs of abuse - Analysis Pharmacy
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	THE ANALYSIS OF CONTROLLED SUBSTANCES; Contents; Series Preface; Preface; Acronyms, Abbreviations and Symbols; About the Author; 1 Introduction to Drug Trends, Control, Legislation and Analysis; 1.1 Introductory Remarks; 1.2 International Legislation; 1.3 Controlled Substances in the United Kingdom; 1.3.1 Background to the Misuse of Drugs Act, 1971; 1.3.2 The Provisions of the Misuse of Drugs Act, 1971; 1.4 Controlled Substances in the United States; 1.5 Controlled Substances in Australia; 1.6 The Drug Chemist and Drug Analysis; 1.7 Quality Assurance in the Drugs Laboratory 1.8 Presentation of Evidence in CourtReferences; 2 Amphetamine and Related Compounds; 2.1 Introduction; 2.2 Qualitative Identification of Amphetamines; 2.2.1 Sampling and Physical Description of Amphetamines; 2.2.2 Presumptive Testing of Amphetamines; 2.2.3 Thin Layer Chromatography of Amphetamines; 2.2.4 Definitive Identification of Amphetamines; 2.3 Quantification of Amphetamines; 2.4 Comparison and Profiling of Amphetamine Samples; 2.4.1 The Leuckart Synthesis of Amphetamine; 2.4.2 The Reductive Amination of

Benzyl Methyl Ketone; 2.4.3 The Nitrostyrene Synthesis
2.4.4 Impurity Extraction and Sample ComparisonReferences; 3 The
Analysis of LSD; 3.1 Introduction; 3.2 Qualitative Identification of LSD;
3.2.1 Sampling and Physical Description of LSD Blotter Acid; 3.2.2
Extraction of LSD Prior to Analysis; 3.2.3 Presumptive Testing for LSD;
3.2.4 Thin Layer Chromatography of Samples Containing LSD; 3.2.5
Confirmatory Tests for the Presence of LSD; References; 4 Cannabis
sativa and Products; 4.1 Introduction; 4.2 Origins, Sources and
Manufacture of Cannabis; 4.3 Analytical Sequence, Bulk and Trace
Sampling Procedures
4.4 Qualitative Identification of Cannabis4.4.1 Identification of Herbal
Material; 4.4.2 Identification of Other Materials; 4.4.3 Comparison of
Cannabis Samples; References; 5 Diamorphine and Heroin; 5.1
Introduction; 5.2 Origins, Sources and Manufacture of Diamorphine; 5.3
Appearance of Heroin and Associated Paraphernalia; 5.4 Bulk and Trace
Sampling Procedures; 5.5 Identification, Quantification and Comparison
of Heroin Samples; 5.5.1 Presumptive Tests for Heroin; 5.5.2 Thin Layer
Chromatography of Heroin Samples; 5.5.3 Gas Chromatographic-Mass
Spectroscopic Identification of Heroin
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Cocaine; 6.3.1 Presumptive Tests for Cocaine; 6.3.2 Thin Layer
Chromatography; 6.3.3 Definitive Identification of Cocaine; 6.4
Quantification of Cocaine; 6.4.1 Quantification of Cocaine by GC-MS;
6.4.2 Quantification of Cocaine by UV Spectroscopy; 6.5 Comparison of
Cocaine Samples; References
7 Products from Catha edulis and Lophophora williamsii

Sommario/riassunto

Presenting new developments in sampling and drug profiling, this book also provides practical information on how to carry out analysis, what the results mean and how they can be used as court evidence and for drugs intelligence purposes.* Includes case-studies with full data and spectra, helping readers to identify substances* Accessibly organized by class of compound* Contains an up-to-date list of the newest drugs
