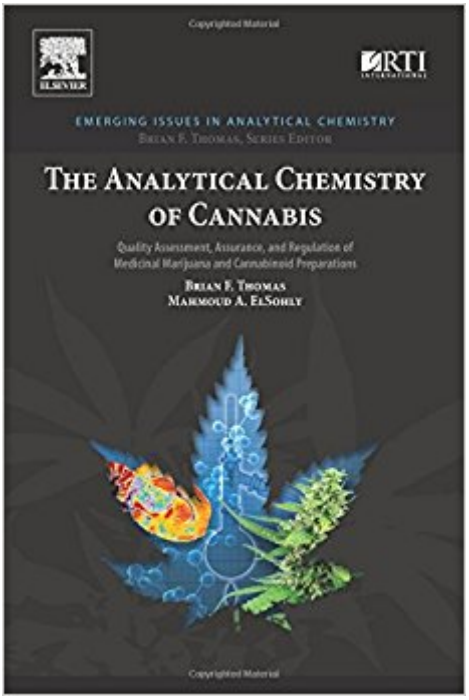
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The Analytical Chemistry Of Cannabis: Quality Assessment, Assurance, And Regulation Of Medicinal Marijuana And Cannabinoid Preparations (Emerging Issues In Analytical Chemistry)



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Synopsis

A volume in the Emerging Issues in Analytical Chemistry series, The Analytical Chemistry of Cannabis: Quality Assessment, Assurance, and Regulation of Medicinal Marijuana and Cannabinoid Preparations provides analytical chemistry methods that address the latest issues surrounding cannabis-based products. The plethora of marketed strains of cannabis and cannabinoid-containing products, combined with the lack of industry standards and labelling requirements, adds to the general perception of poor quality control and limited product oversight. The methods described in this leading-edge volume help to support the manufacturing, labelling, and distribution of safe and consistent products with known chemical content and demonstrated performance characteristics. It treats analytical chemistry within the context of the diverse issues surrounding medicinal and recreational cannabis in a manner designed to foster understanding and rational perspective in non-scientist stakeholders as well as scientists who are concerned with bringing a necessary degree of order to a field now characterized by confusion and contradiction. The Emerging Issues in Analytical Chemistry series is published in partnership with RTI International and edited by Brian F. Thomas. Please be sure to check out our other featured volumes: Hackney, Anthony C. Exercise, Sport, and Bioanalytical Chemistry: Principles and Practice, 9780128092064, March 2016.Tanna, Sangeeta and Lawson, Graham. Analytical Chemistry for Assessing Medication Adherence, 9780128054635, April 2016.Rao, Vikram, Knight, Rob, and Stoner, Brian. Sustainable Shale Oil and Gas: Analytical Chemistry, Biochemistry, and Geochemistry Methods, 9780128103890, forthcoming September 2016.Farsalinos, Konstantinos, et al. Analytical Assessment of e-Cigarettes: From Contents to Chemical and Particle Exposure Profiles, 9780128112410, forthcoming November 2016.Addresses current and emerging analytical chemistry methodsÃ¢â ¬â ¢an approach that is unique among the literature on this topicPresents information from a broad perspective of the issues in a single compact volumeEmploys language comprehensible to non-technical stakeholders as well as to specialists in analytical chemistry

Book Information

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Customer Reviews

Brian F. Thomas, PhD, is Principal Scientist, Analytical Chemistry and Pharmaceutics, at RTI International, NC, USA. He has more than 20 years of experience in analytical chemistry and mass spectrometry. He is the principal investigator/co-principal investigator on two National Institute on Drug Abuse repository and purity specification contracts. His principal duties include overseeing the development of chromatographic assays and spectrophotometric assays for the qualitative and quantitative analysis of bulk chemicals or chemicals in dosage formulations, biological fluids, tissues, or other complex matrices. Dr. Thomas was recently awarded RTIÃ¢â ¬â„¢s PresidentÃ¢â ¬â„¢s Award for his scientific contributions to the institute.Mahmoud A. ElSohly, PhD, is the director of the Marijuana Project at the University of Mississippi, which is funded by the National Institute on Drug Abuse. He holds more than 30 patents dealing with the processing, testing, and detection of drugs of abuse along with other patents dealing with biologically active natural products and compositions for the treatment of cancer and other in the diagnostics area. He has authored over 250 scholarly articles and more than 200 presentations at scientific meetings of professional societies relative to drug discovery, analysis, and metabolism. He is a member of many scholarly scientific societies and was recognized by The Scientist (April 17, 1995) and Science Watch (January, 1995) as the second most cited author in forensic sciences in the world for the period 1981-1993. Dr. ElSohly is also recognized in the Journal of Analytical Toxicology (October issue, 2004) as being one of the top ten (3rd and 4th) Most Cited Authors and Most Prolific Authors in the journal between 1981 and 2003.

The title’s expectation is that the book will be an exhaustive review of current analytical chemistry methods for cannabis, including pros and cons, tricks, tips and techniques, as well as in-depth technical evaluations of specific methods and equipment. Not what is in this book. I am not sure that such a book exists, and I thought this gap is what the distinguished authors were filling. I was disappointed, at least from an analytical chemistry perspective. Nonetheless, it is a well-written,

concise, authoritative summary of the broad field of cannabis science with very up-to-date references (2015). As someone who likes to read these kinds of books, this book fits the bill.

The book covers a wide area of topics in a short space, from an overview of the subject, growing and cultivating the plants, how to select sample material, the chemistry of THC derivatives, the analytical techniques used, and some of the issues left to solve. It appears written more for non-scientists than scientists, but does reference many other papers if you want more details on specific areas. It was not meant to be a textbook for a course, but a readable books for many people in the medical cannabis industry. I found it quite interesting and learned a lot that I did not know.

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