1. Record Nr. UNINA9910143969503321

Titolo	Reference materials for chemical analysis [[electronic resource]] : certification, availability, and proper usage / / edited by Markus Stoeppler, Wayne R. Wolf, Peter J. Jenks
Pubbl/distr/stampa	Weinheim ; ; New York, : Wiley-VCH, c2001
ISBN	1-281-76405-1 9786611764050 3-527-61304-8 3-527-61305-6
Descrizione fisica	1 online resource (325 p.)
Altri autori (Persone)	StoepplerM <1927-> (Markus) WolfWayne R. <1943->
 JenksPeter J
Disciplina	016.543 543/.00218
Soggetti	Chemistry, Analytic - Quality control Materials - Standards Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Reference Materials for Chemical Analysis; Foreword; Contents; Preface; 1 Introduction; 1.1 Historical; 1.1.1 Early Developments; 1.1.2 Growth and Maturity; 1.1.3 Milestones and The Future; 1.2 The Theoretical Basis; 1.3 Technical Requirements; 1.4 References; 2 From Planning to Production; 2.1 Material Collection and Preparation; 2.1.1 Introduction; 2.1.2 General Collection and Preparation Principles; 2.1.3 Specific Examples; 2.1.4 Concluding Remarks and Recommendations; 2.2 Control of Material Properties; 2.2.1 Particle Size and Particle Size Distribution; 2.2.2 Homogeneity/Heterogeneity 2.2.3 Humidity (Water Content)2.2.4 Degradation Studies/Shelf Life; 2.3 References; 3 Certification; 3.1 Certification Philosophy of RM Producers; 3.1.1 Introduction; 3.1.2 Approaches to the Characterization/Certification of Reference Materials; 3.1.2.1 General Principles of Certification; 3.1.2.2 Classification of

Characterization/Certification Schemes; 3.1.2.3 Specific Examples; 3.1.3 Conclusions; 3.2 Certification of Elements; 3.2.1 Methods Used for the Certification of RMs for Elements; 3.2.2 Multi-Method Elemental RM Certification; 3.2.2.1 River Sediment; 3.2.2.2 Lichen 3.2.2.3 Examples of Selected RMs Certified for Elements3.2.3 Certification of Element Contents by Neutron Activation Analysis; 3.2.3.1 General Features; 3.2.3.2 Internal Cross-Checking (Self-Verification) in NAA; 3.2.3.3 Applications in Certification and Analysis; 3.2.3.4 NAA for the Detection of Errors; 3.2.3.5 Summary; 3.3 Certification of Organometallic and Other Species; 3.3.1 Introduction; 3.3.2 Potential Sources of Error in Speciation Analysis; 3.3.3 Restricted List of Chemical Species for Trace Elements and Their Compounds; 3.3.3.1 Aluminum; 3.3.3.2 Antimony; 3.3.3.3 Arsenic 3.3.3.4 Bromine3.3.3.5 Chromium; 3.3.3.6 Mercury; 3.3.3.7 Lead; 3.3.3.8 Selenium; 3.3.3.9 Tin; 3.3.3.10 Metallothionein; 3.3.4 Fractionation; 3.3.5 Conclusions; 3.4 Certification of Organic Substances; 3.4.1 Introduction; 3.4.2 CRMs Available for Organic Constituents; 3.4.2.1 Pure Substances; 3.4.2.2 Calibration Solution CRMs; 3.4.2.3 Natural Matrix SRMs; 3.4.3 Certification Approach for Organic Constituents; 3.4.3.1 NISTApproach for Certification; 3.4.3.2 NIST Analytical Approach for the Certification of Organic Constituents in Natural Matrix SRMs; 3.4.3.3 BCR Approach to Certification 3.5 References4 Particular Developments; 4.1 RMs in Quality Control and Quality Assessment; 4.1.1 Introduction; 4.1.2 Proper Usage; 4.1.3 Characterization of Methods; 4.1.4 Internal Quality Control; 4.1.5 External Quality Assurance; 4.1.5.1 State of the Art; 4.1.5.2 Performance of Individual Laboratories; 4.1.5.3 Supplement Internal Quality Control; 4.1.5.4 To Obtain Consensus Values; 4.1.5.5 Investigate Factors Contributing to Performance; 4.1.5.6 To Act as an Educational Stimulus - To License Laboratories?; 4.1.6 Conclusions; 4.2 Fresh Materials; 4.2.1 Introduction; 4.2.2 Packing Materials 4.2.3 Preparation

Sommario/riassunto

There are many academic references describing how RMs are made, but few that explain why they are used, how they should be used and what happens when they are not properly used.In order to fill this gap, the editors have taken the contributions of more than thirty RM practitioners to produce a highly readable text organized in nine chapters. Starting with an introduction to historical, theoretical and technical requirements, the book goes on to examine all aspects of RM production from planning, preparation through analysis to certification, reviews recent development areas, RMs for li

2. Record Nr. UNIORUON00274689

Autore	SEROV, Valentin Aleksandrovi
Titolo	Valentin Aleksandrovi Serov 1865-1911 : Zivopis Grafika : Iz sobranija gosudarstvennogo Russkogo Muzeja / Gosudarstvennyj Russkij Muzej
Pubbl/distr/stampa	[St Petersburg], : Palace Editions, 2005
ISBN	59-333-2180-X
Descrizione fisica	256 p. : tav. ; 32 cm.
Disciplina	759.7
Lingua di pubblicazione	Russo
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr. UNINA9910483963403321

Titolo	Advanced Information Networking and Applications : Proceedings of the 35th International Conference on Advanced Information Networking and Applications (AINA-2021), Volume 2 / / edited by Leonard Barolli, Isaac Woungang, Tomoya Enokido
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-75075-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (xxx, 797 pages) : illustrations (some color)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 226
Disciplina	004.6
Soggetti	Engineering - Data processing Computational intelligence Artificial intelligence Data Engineering Computational Intelligence Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Note generali	"Because of COVID-19 situation, AINA-2021 will be held online"--Conference website
Nota di bibliografia	Includes author index.
Sommario/riassunto	This book covers the theory, design and applications of computer networks, distributed computing and information systems. Networks of today are going through a rapid evolution, and there are many emerging areas of information networking and their applications. Heterogeneous networking supported by recent technological advances in low-power wireless communications along with silicon integration of various functionalities such as sensing, communications, intelligence and actuations is emerging as a critically important disruptive computer class based on a new platform, networking structure and interface that enable novel, low-cost and high-volume applications. Several of such applications have been difficult to realize because of many interconnections problems. To fulfill their large range of applications, different kinds of networks need to collaborate, and wired and next-generation wireless systems should be integrated in order to develop high-performance computing solutions to problems arising from the complexities of these networks. The aim of the book “Advanced Information Networking and Applications” is to provide latest research findings, innovative research results, methods and development techniques from both theoretical and practical perspectives related to the emerging areas of information networking and applications.