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Titolo	Determination of trace elements [[electronic resource] /] / edited by Zeev B. Alfassi
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ISBN	1-281-75877-9 9786611758776 3-527-61577-6 3-527-61576-8
Descrizione fisica	1 online resource (623 p.)
Altri autori (Persone)	AlfassiZeev B
Disciplina	543
Soggetti	Trace elements - Analysis Trace elements - Speciation Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Errata sheet laid in.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Determination of Trace Elements; Contents; 1. Systematic errors in trace analysis; 1.1 Introduction; 1.1.1 General aspects of extreme trace analysis; 1.1.2 Direct instrumental determination methods; 1.1.3 Multi-stage procedures; 1.1.4 Further general important statements; 1.2 Systematic errors and their avoidance; 1.2.1 Volatilization; 1.2.2 Adsorption; 1.2.3 Blanks from vessels, vessel materials and working tools; 1.2.4 Blanks from the reagents; 1.2.5 Blanks from airborne dust; 1.2.6 Contamination by sample handling; 1.2.7 Problems due to changes of the valency state 1.3 Systematic errors during the analytical procedure1.3.1 Sampling, sample storage and Pretreatment; 1.3.2 Decomposition; 1.3.3 Separation; 1.4 Basic rules for the recognition and elimination of systematic errors; 1.5 Conclusion; 2. Limits of detection and accuracy in trace elements analysis; 2.1 Introduction; 2.2 Errors in analytical results; 2.3 Accuracy; 2.4 Measuring trace concentrations; 2.5 The problem of detection; 2.5.1 Random error of blank responses; 2.5.2 Errors of the first kind - the critical level (a posteriori detection)

2.5.3 Errors of the second kind - the limit of detection (a priori detection) 2 5.4 Limits to the use of the definitions of L_c and LD ; 2 5.5 Regression theory approaches to the problem of detection; 2.6 Practical applications; 2.7 Reporting results at small concentrations; 2.8 Conclusions and recommendations; Sampling and sample preparation; 3.1 Introduction; 3.2 Changes in trace element composition; 3.2.1 Element specific changes; 3.2.2 Sample specific changes; 3.3 Pre-sampling considerations; 3.4 Aspects of sampling; 3.4.1 Establishment of analytical control 3.4.2 Sampling error in a test portion 3.4.3 Uniformity of laboratory samples; 3.4.4 Uniformity of subsamples; 3.4.5 The gross sample; 3.5 Sample decomposition; 4. Separation and preconcentration of trace elements; 4.1 Separation and preconcentration of trace elements by coprecipitation; 4.1.1 Introduction; 4.1.2 Mechanism; 4.1.3 Coprecipitation with inorganic precipitants; 4.1.4 Coprecipitation with organic collectors; 4.2 Separation and preconcentration of trace elements by flotation; 4.2.1 Introduction; 4.2.2 Principle; 4.2.3 General procedures 4.3 Preconcentration and separation of trace elements by solvent extraction 4.3.1 Introduction; 4.3.2 Extraction of trace elements; 4.4 Separation and preconcentration of trace elements by ion-exchange; 4.4.1 Introduction; 4.4.2 Ion-exchange resins; 4.4.3 Equilibrium and selectivity; 4.4.4 Practical column operation; 4.4.5 Preconcentration; 4.4.6 Ion chromatography; 4.5 Separation and preconcentration by sorption; 4.5.1 Introduction; 4.5.2 Activated carbon; 4.5.3 Porous polymers; 4.5.4 Complex-forming adsorbents; 4.5.5 Natural polymers 5. Determination of trace elements by atomic absorption spectrometry

Sommario/riassunto

The best way to determine trace elements! This easy-to-use handbook guides the reader through the maze of all modern analytical operations. Each method is described by an expert in the field. The book highlights the advantages and disadvantages of individual techniques and enables pharmacologists, environmentalists, material scientists, and food industry to select a judicious procedure for their trace element analysis.

2. Record Nr.	UNINA9910789028203321
Autore	Brown Katherine Adams <1978->
Titolo	Boccaccio's fabliaux : medieval short stories and the function of reversal // Katherine A. Brown
Pubbl/distr/stampa	Gainesville : , : University Press of Florida, , [2014] ©2014
ISBN	0-8130-5003-0 0-8130-4866-4
Descrizione fisica	1 online resource (236 p.)
Disciplina	853/.1
Soggetti	Fabliaux - History and criticism Poetry
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	Introduction -- Fabliaux reversals and La Grue -- The Fabliaux in context: BNF fr. 2173 -- Medieval story collections and framing devices -- Boccaccio's Fabliaux: transmission and transformation of the Fabliaux to the Decameron -- Conclusion.
Sommario/riassunto	Provides a new and provocative interpretation of the relationship between medieval French fabliaux and Boccaccio's Decameron, examining their formal similarities.