1. Record Nr. UNINA9910778277203321

Autore	Hibbert D. B (D. Brynn), <1951->
Titolo	Quality assurance for the analytical chemistry laboratory [[electronic resource] /] / D. Brynn Hibbert
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2007
ISBN	0-19-756209-4 0-19-028994-5 1-281-15633-7 0-19-803672-8 9786611156336 1-4356-1419-4
Descrizione fisica	1 online resource (321 p.)
Collana	Oxford scholarship online
Disciplina	542
Soggetti	Chemical laboratories - Quality control Chemistry, Analytic - Quality control Chemistry, Analytic - Technique Chemometrics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previously issued in print: 2007.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; 1 Introduction to Quality in the Analytical Chemistry Laboratory; 2 Statistics for the Quality Control Laboratory; 3 Modeling and Optimizing Analytical Methods; 4 Quality Control Tools; 5 Interlaboratory Studies; 6 Measurement Uncertainty; 7 Metrological Traceability; 8 Method Validation; 9 Accreditation; 10 Conclusions: Bringing It All Together; Glossary of Acronyms, Terms, and Abbreviations; Index
Sommario/riassunto	The customer of the analytical services relies on the quality assurance and quality control procedures adopted by the laboratory. It is the totality of the QA effort that gives the customer confidence in the result. QA in the Analytical Chemistry Laboratory takes the reader through all aspects of QA, from the statistical basics and quality control tools to becoming accredited to international standards. Concepts such as measurement uncertainty and metrological traceability are explained

	for a working chemist or her client. How to design experiments to optimise an analytical process is included, together with the necessary statistics to analyse the results. All numerical manipulation and examples are given as Microsoft Excel spreadsheets. Different kinds of interlaboratory studies are explained, and how a laboratory is judged in proficiency testing schemes is described.

2.

Record Nr.	UNINA9910820845003321
Autore	Stein Martin <1951->
Titolo	Eva-CBTM : evaluation of computer based online training programs for mathematics / / Martin Stein
Pubbl/distr/stampa	Munster : , : WTM - Verlag fur Wissenschaftliche Texte und Medien, , [2015] ©2015
ISBN	3-942197-71-5
Edizione	[Second, enlarged edition.]
Descrizione fisica	1 online resource (81 pages) : illustrations
Collana	Mathematiklernen mit digitalen Medien ; ; Band 1
Disciplina	510.71
Soggetti	Mathematics - Study and teaching
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	PublicationDate: 20150525
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Long description: Eva-CBTM is a project for the Evaluation of Computer Based programs for learning and Teaching Mathematics. The idea of Eva-CBTM is to develop a complete system for such an evaluation which is valid, reliable and objective. The evaluation system is based on a process oriented view at computer based practicing of mathematics. The system has the following components: assessment, assistance resp. help, architecture of the system, system of choosing exercises, and degrees of freedom. The consideration of thematic completeness plays an important role in the evaluation process. In the first two chapters over 60 platforms for learning and practicing mathematics are presented in short, 15 of them are fully evaluated. Chapter III discusses the potential of platforms for presenting more complex tasks, for instance problem solving or modeling. Chapter IV describes a method

to measure the didactical comprehensiveness of CBTM-platforms, i.e., the depth in which a certain topic is dealt with in exercises.
Long description: