

Reading List for Analytical Scientists

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Introduction and scope

This reading list has been prepared by members of the Eurachem Education and Training Working Group. It is based on bibliographies originally produced by TrainMiC® and LGC (in its role as the UK's National Measurement Laboratory and Designated Institute for chemical and bio-measurement, (www.uknml.com)) – but has been substantially updated. The main focus of the references contained in the list is metrology in chemistry, with a particular focus on quality assurance. However, it is anticipated that the references will also be of interest to those working in other disciplines. It is not intended to be a comprehensive list of all publications relating to quality in analytical measurement. The aim is to provide references to a selection of websites, standards, guides and books which will hopefully be of use to all those involved with chemical analysis (and related disciplines), including laboratory staff, students, lecturers and trainers.

Many of the references provided in this list are available to download free of charge, in particular documents published by Eurachem, JCGM, Euramet, Eurolab, ILAC, EA and accreditation bodies.

The aim is to update the bibliography annually. The Working Group welcomes suggestions for additions to the bibliography. Please see the [Eurachem website](#) for contact details to send additional references.

Updates or additions are identified by a side bar.

Eurachem provides this list for information and is not responsible for the content or advice given in the resources listed. Any software listed has not been independently validated by Eurachem.

References are current as of 9 July 2026

Introduction to metrology and terminology

Websites and web resources

- CIPM Mutual recognition arrangement (MRA) of national measurement standards and of calibration and measurement certificates issued by national metrology institutes (www.bipm.org/en/cipm-mra/)
- ISO online browsing platform – access ISO standards, terms and definitions (www.iso.org/obp/ui/)
- VIM Definitions with Informative Annotations, JCGM-WG2 (<https://jcgim.bipm.org/vim/en/index.html>)

Standards

- BIPM, IEC, IFCC, ILAC, ISO, IUPAC, IUPAP, OIML. JCGM 200:2012 (JCGM 200:2008 with minor corrections), International vocabulary of metrology – Basic and general concepts and associated terms (VIM3) (www.bipm.org) (Earlier version printed as ISO Guide 99:2007 (www.iso.org), link to free version <https://www.iso.org/resources/publicly-available-resources.html>)
- ISO 80000-1:2022. Quantities and units – Part 1: General (www.iso.org)

Guides

- V. Barwick (Ed) Eurachem Guide: Terminology in analytical measurement – Introduction to VIM3 (2nd ed. 2023). ISBN 978-0-948926-40-2 (www.eurachem.org)
- A beginner's guide to measurement, v3, Good practice guide no. 118, NPL, 2010, ISSN: 1368-6550 (<https://eprintspublications.npl.co.uk/id/eprint/4882>)
- The International System of Units (SI), 9th Edition, 2019 (v3.02, August 2025) (www.bipm.org)

Books

- Compendium of Chemical Terminology, 2nd ed. (the 'Gold Book'). Compiled by A. D. McNaught and A. Wilkinson. Blackwell Scientific Publications, Oxford (1997). Online version (2019-) created by S. J. Chalk. ISBN 0-9678550-9-8 (<https://goldbook.iupac.org/>)
- IUPAC Quantities, units and symbols in physical chemistry ('Green Book'), 4th Edition, 2023, ISBN 78-1-83916-318-0 (<https://iupac.org/wp-content/uploads/2025/03/IUPAC-GB4Abridged.pdf>)
- Compendium of terminology in analytical chemistry ('Orange Book'), 4th edition, D. Brynn Hibbert (Ed), The Royal Society of Chemistry (2023), ISBN (print): 978-1-78262-947-4, <https://doi.org/10.1039/9781788012881> (note that the content of the Orange Book is available as a series of IUPAC Recommendations – see Articles and Reports section)

Leaflets

- Eurachem information leaflet
 - You talk, we understand – The way out of the tower of Babel [An introduction to measurement terminology] (2015, updated 2023) (www.eurachem.org)
- AMC Technical Briefs, RSC (https://members.rsc.org/site/content/Community/SubjectCommunity/Analytical_Science_Community/AMCTechnicalBriefs.aspx):

Under Sampling tab

- AMC TB 86-2019 Revision of the International System of Units (Background paper), <https://doi.org/10.1039/C9AY90028D>
- AMC TB 76-2016, Chemical metrology, <https://doi.org/10.1039/C6AY90155G>
- AMC TB 13-2003, Terminology – the key to understanding analytical science. Part 1: Accuracy, precision and uncertainty

- AMC TB 19-2005, Terminology – the key to understanding analytical science. Part 2: Sampling and sample preparation

Articles and reports

- D. Brynn Hibbert, E-H. Korte, U. Örnemark, Metrological and quality concepts in analytical chemistry (IUPAC Recommendations 2021), Pure Appl. Chem., 2021, 93 (9), 997-1048, <https://doi.org/10.1515/pac-2019-0819>
- H. Goenaga Infante, J. Warren, J. Chalmers, G. Dent, J. L. Todoli, J. Collingwood, N. Telling, M. Resano, A. Limbeck, T. Schoenberger, D. B. Hibbert, A. LeGresley, K. Adams, D. Craston, Glossary of methods and terms used in analytical spectroscopy (IUPAC Recommendations 2019), Pure Appl. Chem., 2021, 93 (6), 647-776, <https://doi.org/10.1515/pac-2019-0203>
- Z. Chai, A. Chatt, P. Bode, J. Kučera, R. Greenberg, D. B. Hibbert, Vocabulary of radioanalytical methods (IUPAC Recommendations 2020), Pure Appl. Chem., 2021, 93 (1), 69-111, <https://doi.org/10.1515/pac-2019-0302>
- J. M. Pingarrón, J. Labuda, J. Barek, C. M. A. Brett, M. F. Camões, M. Fojta, D. B. Hibbert, Terminology of electrochemical methods of analysis (IUPAC Recommendations 2019), Pure Appl. Chem., 2020, 92 (4), 641-694, <https://doi.org/10.1515/pac-2018-0109>
- T. Takeuchi, A. J. McQuillan, A. Shard, A. E. Russell, D. B. Hibbert, Glossary of methods and terms used in surface chemical analysis (IUPAC Recommendations 2020), Pure Appl. Chem., 2020, 92 (11), 1781-1860, <https://doi.org/10.1515/pac-2019-0404>
- J. Labuda, R. P. Bowater, M. Fojta, G. Gauglitz, Z. Glatz, I. Hapala, J. Havliš, F. Kilar, A. Kilar, L. Malinovská, H. M. M. Sirén, P. Skládal, F. Torta, M. Valachovič, M. Wimmerová, Z. Zdráhal, D. B. Hibbert, Terminology of bioanalytical methods (IUPAC Recommendations 2018), Pure Appl. Chem., 2018, 90 (7), 1121-1198, <https://doi.org/10.1515/pac-2016-1120>
- M. F. Camões, G. D. Christian, D. B. Hibbert, Mass and volume in analytical chemistry (IUPAC Technical Report), Pure Appl. Chem., 2018, 90 (3), 563-603, <https://doi.org/10.1515/pac-2017-0410>
- T. A. Maryutina, E. Y. Savonina, P. S. Fedotov, R. M. Smith, H. Siren, D. B. Hibbert, Terminology of separation methods (IUPAC Recommendations 2017), Pure Appl. Chem., 2018, 90 (1), 181-231, <https://doi.org/10.1515/pac-2017-0111>
- C. Poole, Z. Mester, M. Miró, S. Pedersen-Bjergaard, J. Pawliszyn, Extraction for analytical scale sample preparation (IUPAC Technical Report), Pure Appl. Chem., 2016, 88 (7), 649-687, <https://doi.org/10.1515/pac-2015-0705>
- D. B. Hibbert, Vocabulary of concepts and terms in chemometrics (IUPAC Recommendations 2016), Pure Appl. Chem., 2016, 88 (4), 407-443, <https://doi.org/10.1515/pac-2015-0605>
- T. Lever, P. Haines, J. Rouquerol, E. L. Charsley, P. Van Eckeren, D. J. Burlett, ICTAC nomenclature of thermal analysis (IUPAC Recommendations 2014), Pure Appl. Chem., 2014, 86 (4), 545-553, <https://doi.org/10.1515/pac-2012-0609>
- K. K. Murray, R. K. Boyd, M. N. Eberlin, J. G. Langley, L. Li, Y. Naito, Definitions of terms relating to mass spectrometry (IUPAC Recommendations 2013), Pure Appl. Chem., 2013, 85 (7), 1515-1609, <https://doi.org/10.1351/PAC-REC-06-04-06>

Traceability of measurement results

Standards

- ISO 8466-1:2021. Water quality – Calibration and evaluation of analytical methods – Part 1: Linear calibration function (www.iso.org)
- ISO 8466-2:2001. Water quality – Calibration and evaluation of analytical methods and estimation of performance characteristics – Part 2: Calibration strategy for non-linear second-order calibration functions (www.iso.org)
- ISO 11095:1996. Linear calibration using reference materials (www.iso.org)
- ISO 17511:2020. In vitro diagnostic medical devices — Requirements for establishing metrological traceability of values assigned to calibrators, trueness control materials and human samples (www.iso.org)
- ISO 28037:2026. Determination and use of straight-line calibration functions (www.iso.org)

Guides

- S.L.R. Ellison and A. Williams (Eds) Eurachem/CITAC Guide: Metrological traceability in analytical measurement (2nd ed. 2019). ISBN 978-0-948926-34-1 (www.eurachem.org)
- M. Jönsson and B. Magnusson, In-house calibration and control of piston operated pipettes, Nordtest Report 626 (1st ed. 2025) (www.nordtest.info)
- Guidance on the calibration of weighing machines used in testing and calibration laboratories, Lab 14, Edition 8, UKAS, 2025 (www.ukas.com)
- ILAC P10:07/2020, ILAC Policy on metrological traceability of measurement results (www.ilac.org)
- ILAC G24:2022, Guidelines for the determination of recalibration intervals of measuring equipment (www.ilac.org)
- Traceability: Volumetric apparatus, LAB 15 Edition 5, UKAS, 2023 (www.ukas.com)
- Guidelines on the calibration of non-automatic weighing instruments, cg-18 Version 4.0, EURAMET, 11/2015, (www.euramet.org)

Books

- P. Kościelniak, Calibration in Analytical Science: Methods and Procedures, Wiley – VCH, 2023, ISBN 978-3-527-34846-6
- A. Moutzoglou, A. Kastania and S. Archonakis, Laboratory Management Information Systems – Current Requirements and Future Perspectives, IGI Global, 2014, ISBN 978-1-4666-6320-6
- N. Majcen, P. Taylor, T. Martišius, A. Menditto, M. Patriarca, Practical examples on traceability, measurement uncertainty and validation in chemistry Vol 2, 2011, European Commission, Joint Research Centre (<https://bookshop.europa.eu/en/home/>)
- N. Majcen, P. Taylor, Practical examples on traceability, measurement uncertainty and validation in chemistry Vol 1, 2010, European Commission, Joint Research Centre (<https://bookshop.europa.eu/en/home/>)
- P. De Bièvre, H. Günzler (Eds), Traceability of chemical measurement, Springer-Verlag, Heidelberg Berlin, 2005, ISBN 3642078834

Leaflets

- Eurachem information leaflet
 - Metrological traceability of analytical results (2005, updated 2019) (www.eurachem.org)

- AMC Technical Briefs, RSC, (https://members.rsc.org/site/content/Community/SubjectCommunity/Analytical_Science_Community/AMCTechnicalBriefs.aspx):
 - AMC TB 99-2020, Units and quantities for analytical chemistry
<https://doi.org/10.1039/D0AY90126A>

Articles and reports

- F. Raposo, Evaluation of analytical calibration based on least-squares linear regression for instrumental techniques: A tutorial review, TRAC-Trend. Anal. Chem., 2016, 77, 167-185, <https://doi.org/10.1016/j.trac.2015.12.006>
- P. De Bièvre, R. Dybkaer, A. Fajgelj, D. Brynn Hibbert, Metrological traceability of measurement results in chemistry: Concepts and implementation (IUPAC Technical Report), Pure Appl. Chem., 2011, 83 (10), 1873-1935, <https://doi.org/10.1351/PAC-REP-07-09-39>
- Clinical and Laboratory Standards Institute, Implementation of metrological traceability in laboratory measurement, Joint IFCC-CLSI project, CLSI document, EP32. CLSI, Wayne, Pennsylvania, USA, 2025 (Sample available from www.ifcc.org or www.clsi.org)
- K. Danzer, M. Otto, L. A. Currie, Guidelines for calibration in analytical chemistry, Part 2: Multispecies calibration, IUPAC Technical Report, Pure Appl. Chem., 2004, 76 (6), 1215-1225, <https://doi.org/10.1351/pac200476061215>
- L. Cuadros-Rodriguez, L. Gamiz-Gracia, E. Almansa-Loèpez, J. Laso-Sanchez, Calibration in chemical measurement processes: 1. A metrological approach, TRAC-Trend. Anal. Chem., 2001, 20 (4), 195-206, [https://doi.org/10.1016/S0165-9936\(00\)00093-5](https://doi.org/10.1016/S0165-9936(00)00093-5)
- C. D. Ehrlich, S. D. Rasberry, Metrological timelines in traceability, J. Res. Natl. Inst. Stand. Technol., 1998, 103, 93-105 (www.nist.gov)
- K. Danzer, L. A. Currie, Guidelines for calibration in analytical chemistry part 1: Fundamentals and single component calibration, IUPAC Recommendation 1998, Pure Appl. Chem., 1998, 70 (4), 993-1014, <https://doi.org/10.1351/pac199870040993>

Uncertainty of measurement

Standards

- BIPM, IEC, IFCC, ISO, IUPAC, IUPAP, OIML JCGM 100:2008, Evaluation of measurement data – Guide to the expression of uncertainty in measurement (GUM 1995 with minor corrections) (www.bipm.org) (Printed as ISO/IEC Guide 98-3:2008 (www.iso.org, link to free version <https://www.iso.org/resources/publicly-available-resources.html>))
- JCGM has produced a number of supplements to accompany the GUM, available at www.bipm.org:
 - Evaluation of measurement data – The role of measurement uncertainty in conformity assessment, JCGM 106:2012
 - Evaluation of measurement data – An introduction to the "Guide to the expression of uncertainty in measurement" and related documents, JCGM GUM 1:2023
 - Evaluation of measurement data – Supplement 2 to the "Guide to the expression of uncertainty in measurement" – Extension to any number of output quantities, JCGM 102:2011
 - Evaluation of measurement data – Supplement 1 to the "Guide to the expression of uncertainty in measurement" – Propagation of distributions using a Monte Carlo method, JCGM 101:2008
- ISO 11352:2025. Water quality – Estimation of measurement uncertainty based on validation and quality control data (www.iso.org)
- ISO 19036:2019. Microbiology of the food chain – Estimation of measurement uncertainty for quantitative determinations (www.iso.org)
- ISO/TS 20914:2019. Medical laboratories – Practical guidance for the estimation of measurement uncertainty (www.iso.org)
- ISO 21748:2017. Guidance for the use of repeatability, reproducibility and trueness estimates in measurement uncertainty estimation (www.iso.org)
- ISO/TS 21749:2005. Measurement uncertainty for metrological applications – Repeated measurements and nested experiments (www.iso.org)
- ISO 28037:2026. Determination and use of straight-line calibration functions (www.iso.org)
- ISO 29201:2012. Water quality — The variability of test results and the uncertainty of measurement of microbiological enumeration methods (www.iso.org)

Guides

- R. Bettencourt da Silva (Ed) Eurachem/CITAC Guide: Evaluation of measurement uncertainty from in-house precision and recovery data (2026). ISBN 978-972-9348-30-3. (www.eurachem.org)
- A. Williams and B. Magnusson (Eds) Eurachem/CITAC Guide: Use of uncertainty information in compliance assessment (2nd ed. 2021). ISBN 978-0-948926-38-9 (www.eurachem.org)
- R. Bettencourt da Silva, A. Williams (Eds) Eurachem/CITAC Guide: Setting and using target uncertainty in chemical measurement (2015). ISBN 978-989-98723-7-0 (www.eurachem.org)
- S. L. R. Ellison, A. Williams (Eds) Eurachem/CITAC Guide: Quantifying uncertainty in analytical measurement (3rd ed. 2012). ISBN 978-0-948926-30-3 (www.eurachem.org)
- ILAC G8:09/2019, Guidelines on decision rules and statements of conformity (www.ilac.org)
- ILAC G17:01/2021 ILAC Guidelines for Measurement Uncertainty in Testing (www.ilac.org)
- ILAC P14:09/2020, ILAC Policy for measurement uncertainty in calibration (www.ilac.org)
- Decision rules applied to conformity assessment, Technical report No. 01/2017, EUROLAB, 2017 (www.eurolab.org)
- B. Magnusson, T. Näykki, H. Hovind, M. Krysell, Handbook for calculation of measurement uncertainty in environmental laboratories, Nordtest Report TR 537, ed 4:2017 (www.nordtest.info)

- EA-4/02 M, Evaluation of the uncertainty of measurement in calibration, 2022 (www.european-accreditation.org)
- Measurement uncertainty revisited: Alternative approaches to uncertainty evaluation, Technical report No. 1/2007, EUROLAB, 2007 (www.eurolab.org)
- Guide to the evaluation of measurement uncertainty for quantitative test results, Technical report No. 1/2006, EUROLAB, 2006 (www.eurolab.org)
- Measurement uncertainty in testing, Technical report No. 1/2002, EUROLAB, 2002 (www.eurolab.org)
- Guidelines on Measurement Uncertainty, Codex Alimentarius, CXG 54-2004, 2021, (<https://www.fao.org/fao-who-codexalimentarius>)

Books

- N. Majcen and V Gegevičius (Ed.), Analytical measurement: measurement uncertainty and statistics, 2012, European Commission, Joint Research Centre, ISBN 978-92-79-23071-4 (<https://bookshop.europa.eu/en/home/>)
- N. Majcen, P. Taylor, T. Martišius, A. Menditto, M. Patriarca, Practical examples on traceability, measurement uncertainty and validation in chemistry Vol 2, 2011, European Commission, Joint Research Centre (<https://bookshop.europa.eu/en/home/>)
- N. Majcen, P. Taylor, L. Benedik, Practical examples on traceability, measurement uncertainty and validation in chemistry Vol 1, 2010, European Commission, Joint Research Centre (<https://bookshop.europa.eu/en/home/>)

Leaflets

- Eurachem information leaflets (www.eurachem.org)
 - The Two One-Sided t-Test (TOST) (2026)
 - What is the uncertainty factor? (2021)
 - Use of uncertainty information in compliance assessment (updated 2021)
 - Setting target measurement uncertainty (2018)
 - Treatment of an observed bias (2017)
 - Using repeated measurements to improve the standard uncertainty (2nd edition, 2016)
 - Important information to our customers concerning the quality of measurements (2000)
 - Eurolab cookbooks (<https://www.eurolab.org/pubs-cookbooks>)
 - Doc No. 8, Determination of conformance with specifications using measurement uncertainties – possible strategies, revision no. 3, 09/2018
 - AMC Technical Briefs, RSC, (https://members.rsc.org/site/content/Community/SubjectCommunity/Analytical_Science_Community/AMCTechnicalBriefs.aspx):
 - AMC TB 112-2022, Comparing measurement uncertainty values, <https://doi.org/10.1039/D2AY90114E>
 - AMC TB 105-2020, How reliable is your uncertainty estimate? <https://doi.org/10.1039/D1AY90060A>
 - AMC TB 88-2019, Why do we need the uncertainty factor?, <https://doi.org/10.1039/C9AY90050K>
 - AMC TB 53-2012, Dark uncertainty, <https://doi.org/10.1039/C2AY90034C>
- Under Statistical Analysis tab
- AMC TB 32-2008, Optimising your uncertainty – a case study

- AMC TB 26A-2008, Measurement uncertainty and confidence intervals near natural limits
- AMC TB 22-2006, Uncertainties in concentrations estimated from calibration experiments
- AMC TB 21A-2008, The estimation and use of recovery factors
- AMC TB 15-2003, Is my uncertainty estimate realistic?

Articles and reports

- A. C. Olivieri, N. M. Faber, J. Ferré, R. Boqué, J. H. Kalivas, H. Mark, Uncertainty estimation and figures of merit for multivariate calibration, IUPAC Technical Report, Pure Appl. Chem., 2006, 78(3), 633-661, <https://doi.org/10.1351/pac200678030633>
- J. Kragten, Calculating standard deviations and confidence intervals with a universally applicable spreadsheet technique, Analyst, 1994, 119, 2161-2166, <https://doi.org/10.1039/AN9941902161>

Software

- ForMEQ – Spreadsheet for automatizing conformity assessments (English Version), May 2020 (<https://formeq.org/avaliacao-automatica-de-conformidade/>)
- MUkit – measurement uncertainty kit (English version), v 3.0, 2022, (<https://www.syke.fi/en-US>)

Qualitative analysis

Standards

- ISO/TR 79:2015, Reference materials – Examples of reference materials for qualitative properties (www.iso.org).
- ISO 33406:2024, Guidance for the production of reference materials with qualitative properties (under publication, www.iso.org)

Guides

- R. Bettencourt da Silva and S. L. R. Ellison (Eds.). Eurachem/CITAC Guide: Assessment of performance and uncertainty in qualitative chemical analysis. (2021). ISBN 978-0-948926-39-6 (www.eurachem.org)
- G. Nordin, R. Dybkaer, U. Forsum, X. Fuentes-Arderiu and F. Pontet, Vocabulary on nominal property, examination, and related concepts for clinical laboratory sciences (IFCC-IUPAC Recommendations 2017), Pure Appl. Chem., 2018, 90(5), 913-935, <https://doi.org/10.1515/pac-2011-0613>

Books

- P. Pereira, Quality control of qualitative tests for medical laboratories, 2019, Lisbon: Author-edition, ISBN 978-989-20-9857-9

Articles and reports

- V. Morgado, C. Palma and R. J. N. Bettencourt da Silva, Microplastics identification by Infrared spectroscopy – Evaluation of identification criteria and uncertainty by the Bootstrap method, Talanta, 2021, 224, 121814, <https://doi.org/10.1016/j.talanta.2020.121814>
- J. Narciso, C. Luz and R. B. d. Silva, Assessment of the Quality of Doping Substances Identification in Urine by GC/MS/MS, Anal. Chem., 2019, 91, 6638-6644 <https://doi.org/10.1021/acs.analchem.9b00560>
- P. Pereira, B. Magnusson, E. Theodorsson, J. O. Westgard and P. Encarnação, Measurement uncertainty as a tool for evaluating the 'grey zone' to reduce the false negatives in immunochemical screening of blood donors for infectious diseases, Accred. Qual. Assur., 2016, 21, 25-32, <https://doi.org/10.1007/s00769-015-1180-x>
- R. B. Silva, Evaluation of trace analyte identification in complex matrices by low-resolution gas chromatography - mass spectrometry through signal simulation, Talanta, 2016, 150, 553-567, <https://doi.org/10.1016/j.talanta.2015.12.033>
- S. L. R. Ellison, C. A. English, M. J. Burns and J. T. Keer, Routes to improving the reliability of low level DNA analysis using real-time PCR, BMC Biotechnology, 2006, 6, 1-11, <https://doi.org/10.1186/1472-6750-6-33>
- S. L. R. Ellison and T. Fearn, Characterising the performance of qualitative analytical methods: Statistics and terminology, Trends Anal. Chem., 2005, 24, 468-476, <https://doi.org/10.1016/j.trac.2005.03.007>
- A. Ríos, D. Barceló, L. Buydens, S. Cárdenas, K. Heydorn, B. Karlberg, K. Klemm, B. Lendl, B. Milman, B. Neidhart, R. W. Stephany, A. Townshend, A. Zschunke and M. Valcárcel, Quality assurance of qualitative analysis in the framework of the European project 'MEQUALAN', Accred. Qual. Assur., 2003, 8, 68-77, <https://doi.org/10.1007/s00769-002-0556-x>
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- S. L. R. Ellison, Uncertainties in qualitative testing and analysis, *Accred. Qual. Assur.*, 2000, 5, 346-348, <https://doi.org/10.1007/s007690000212>
- S. L. R. Ellison and S. Gregory, Quantifying uncertainty in qualitative analysis, *Analyst*, 1998, 123, 1155-1161, <https://doi.org/10.1039/A707970B>
- S. L. R. Ellison and S. L. Gregory, Predicting chance infrared spectroscopic matching frequencies, *Anal. Chim. Acta*, 1998, 370, 181-190, [https://doi.org/10.1016/S0003-2670\(98\)00268-2](https://doi.org/10.1016/S0003-2670(98)00268-2)

Uncertainty from Sampling

Guides

- M. H. Ramsey, P. D. Rostron, F.C. Raposo (Eds.) Eurachem/EUROLAB/CITAC/Nordtest/AMC Guide: Validation of measurement procedures that include sampling, (2024) (www.eurachem.org)
- M. H. Ramsey, S. L. R. Ellison and P. Rostron (Eds.) Eurachem/EUROLAB/CITAC/Nordtest/AMC Guide: Measurement uncertainty arising from sampling: a guide to methods and approaches. (2nd ed., 2019). ISBN 978-0-948926-35-8 (www.eurachem.org)
- B. Magnusson, M. Krysell, E. Sahlin and T. Näykki, Uncertainty from sampling – A Nordtest Handbook, Nordtest Report TR 604 ed 2:2020 (www.nordtest.info)

Leaflets

- Eurachem-AMC Information Leaflet (www.eurachem.org)
 - VaMPIS - Validation of Measurement Procedures that Include Sampling (2025)
 - What is the uncertainty factor? (2021)
- AMC Technical Briefs, RSC, (https://members.rsc.org/site/content/Community/SubjectCommunity/Analytical_Science_Community/AMCTechnicalBriefs.aspx):
 - AMC TB 114-2024, Improved estimates of expanded measurement uncertainty <http://dx.doi.org/10.1039/d4ay90083a>
 - AMC TB 112-2022, Comparing measurement uncertainty values, <https://doi.org/10.1039/D2AY90114E>
 - AMC TB 105-2021, How reliable is your uncertainty estimate? <https://doi.org/10.1039/d1ay90060a>

Under Sampling tab

- AMC TB 96-2020, What's novel in the new Eurachem guide on uncertainty from sampling? <https://doi.org/10.1039/D0AY90051F>
- AMC TB 90-2019, The role of accreditation in ensuring sampling quality, <https://doi.org/10.1039/C9AY90095K>
- AMC TB 71-2015, Sampling theory and sampling uncertainty, <https://doi.org/10.1039/C5AY90098K>
- AMC TB 58-2014, Estimating sampling uncertainty – how many duplicate samples are needed?, <https://doi.org/10.1039/C3AY90095A>
- AMC TB 40-2009, The duplicate method for the estimation of measurement uncertainty arising from sampling
- AMC TB 20-2005, Analytical and sampling strategy, fitness for purpose, and computer games
- AMC TB 16A-2004, What is uncertainty from sampling, and why is it important?

Under Statistical Analysis tab

- AMC TB 64-2014, Unbalanced robust ANOVA for the estimation of measurement uncertainty at reduced cost, <https://doi.org/10.1039/C4AY90062F>

Under Quality Control tab

- AMC TB 42-2009, The importance, for regulation, of uncertainty from sampling

Articles and reports

- F. C. Raposo, M. H. Ramsey, Fit-for-purpose ('target') measurement uncertainty (answer to Reviewer). Accred. Qual. Assur. 2025, 30, 487–488, <https://doi.org/10.1007/s00769-025-01654-w>
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