

Rules and Regulations on Reference Materials

Reference Materials

GOST 8.315-97. Reference Materials for composition and properties of substances and materials. The main provisions (in Russian)

RIS 52-2002. General guidance on the application of the provisions of GOST 8.315-97 the development and application of Reference Materials (in Russian)

GOST 8.531-2003. Reference Materials of solid and particulate materials. Methods for assessing of the homogeneity (in Russian)

MI 1952-88 The stability of Reference Materials of substances and materials. Methods of assessment (in Russian)

GOST 8.532-2003. Reference Materials of substances and materials. Inter-laboratory validation. The content and order of operations (in Russian)

RIS 53-2002. Reference Materials. Estimation of metrological characteristics using standards and reference measuring (in Russian)

RIS 55-2003. Reference Materials of pure organic substances. Methods of assessment. The main provisions (in Russian)

NSTU-G ISO/IEC Guide 35:2006 Certification of reference materials. General and statistical principles (ISO Guide 35:1989, IDT) (in Ukrainian)

NSTU-G ISO/IEC Guide 34:2006 General requirements for the competence of producers of reference materials (ISO Guide 34:2000, IDT) (in Ukrainian)

NSTU-G ISO Guide 31:2008 Metrology. Reference Materials. Contents of certificates and labels (ISO Guide 31:2000, IDT) (in Ukrainian)

ISO Guide 30:1992 Terms and definitions used in connection with reference materials

ISO Guide 32:1997 Calibration in analytical chemistry and use of certified reference materials

ISO Guide 33:2000 Uses of certified reference materials

NSTU Metrology OIML D 18:2008. State Reference Materials in the field of metrological control and supervision, which carried out national service of legal metrology. The main provisions (OIML D 18:2002, IDT) (in Ukrainian)

ILAC-G9: 2005 Guidelines for the Selection and Use of Reference Materials

RIS 56-2002. Sets of Reference Materials of substances and materials. The method intercomparison (in Russian)

RIS 60-2003. Mixtures certified. General requirements for development (in Russian)

NSTU-G RIS 26:2007 Register of Interstate Reference Materials for composition and properties of substances and materials. The main provisions (RIS 26-98, IDT) (in Russian)

RIS 16-96 Regulation on the Interstate Reference Material (in Russian)

RIS 17-96 Procedure for planning of the cooperation in the development and application of Reference Material for composition and properties of substances and materials (in Russian)

RIS 27-99 The order and content of the work in metrological examination of technical documentation for the Interstate Reference Materials (in Russian)

RIS 34-2001. Procedure for updating the register of Interstate Reference Materials (in Russian)

Metrology

NSTU 2681-94 Metrology. Terms and definitions (in Ukrainian)

RIS 29-99 ICG. Metrology. Basic terms and definitions (in Russian)

ISO GUIDE 99: 2007 International vocabulary of metrology - Basic and general concepts and associated terms (VIM) (The electronic version of third edition of VIM - JCGM 200:2008 is available free of charge on the website of the BIPM www.bipm.org)

NSTU 3651.0-97 Metrology. Units of physical quantities. The basic units of physical quantities of the international system of units. The main provisions, the names and symbols (in Ukrainian)

NSTU 3651.1-97 Metrology. Units of physical quantities. Derived units of physical quantities of the international system of units. The main provisions, the names and symbols (in Ukrainian)

NSTU OIML D 2:2007. Metrology. Legalized units of physical quantities (OIML D 2:1999, IDT) (in Ukrainian)

NSTU-G RIS 72:2008 Metrology. Evaluation of measurement capabilities of national metrology services on the basis of the metrological characteristics of Reference Materials for composition and properties of substances and materials (RIS 72-2003, IDT) (in Russian)

Measurements

GOST 8.010-99. Measuring techniques. The main provisions (in Russian)

NSTU GOST ISO 5725 1:2005 Accuracy (trueness and precision) of measurement methods and results. Part 1. Basic Provisions and Definitions (in Russian)

NSTU GOST ISO 5725 2:2005 Accuracy (trueness and precision) of measurement methods and results. Part 2. The primary method for determining the repeatability and reproducibility of a standard measurement method (in Russian)

NSTU GOST ISO 5725 3:2005 Accuracy (trueness and precision) of measurement methods and results. Part 3. Intermediate indicators for precision of standard measurement method (in Russian)

NSTU GOST ISO 5725 4:2005 Accuracy (trueness and precision) of measurement methods and results. Part 4. The main methods for determining the correctness of a standard measurement method (in Russian)

NSTU GOST ISO 5725 5:2005 Accuracy (trueness and precision) of measurement methods and results. Part 5. Alternative methods for determining the precision of a standard measurement method (in Russian)

NSTU GOST ISO 5725 6:2005 Accuracy (trueness and precision) of measurement methods and results. Part 6. Using the values of accuracy in practice (in Russian)

RIS 61-2003. Indicators of precision, accuracy, precision methods of quantitative chemical analysis. Methods of assessment

RIS 54-2002. Characteristics of the calibration of instruments for measuring the composition and properties of substances and materials. Measuring techniques with using Reference Materials (in Russian)

NSTU-G RIS 43:2006 Metrology. Applying the "Guide to the Expression of Uncertainty in Measurement" (RIS 43:2001, IDT) (in Russian)

NSTU-G RIS 61:2006 Metrology. Indicators of accuracy, trueness, precision of methods of quantitative chemical analysis. Methods of evaluation (RIS 61-2003, IDT) (in Russian)