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Nota di contenuto	Calibration of Amr-1006m Nmr Analyzers Using Natural Seeds and Imitator Reference Materials -- Development of Reference Materials for Gas Permeability -- Luminescence Measurements: Reference Materials for Composition of Sodium Adenosine Triphosphate Aqueous Solution -- Identification of Reference Materials of Azithromycin Composition Using Spectral Methods -- Application of Certified Reference Materials of Absorbed Dose for Process Validation of Irradiation of Medical Supplies and Food Products -- Development of Certified Reference Material Solutions for Qnmr and Instrument Performance Qualification -- Measurement Assurance of Phtalate Content: A Reference Material of Six Priority Phthalates in Methanol Solution -- Development of Certified Reference Materials for Ensuring the Traceability of Mechanical Stress Measurements in Acoustic Non-Destructive Testing -- Application of

Lyophilization for Preparing Reference Materials of Food Composition -- Metrological Maintenance of Gas Calorimeters and Wobbe Index Analyzers -- Selection of Materials for Novel Reference Materials of Fluid Viscosity Certified in the Interval of Permissible Temperature Values from Minus 40 °C To Minus 5 °C -- Development of A Metrological Support Complex for the Food Industry -- Features of the "Plants" Cluster in the Collection of Reference Materials of Vinogradov Institute of Geochemistry Sb Ras -- Development and Testing of a Multi-Element Reference Material for Methods Based on Inductively-Coupled Plasma -- Plant-Matrix Reference Materials as a Tool for Ensuring the Unity of Chemical Measurements in Geochemistry, Ecology, Agriculture, and Pharmacology -- Reference Materials for Optical Nanosensor Systems: Reduced Glutathione and Chloramphenicol.

Sommario/riassunto

The book covers in particular state-of-the-art scientific research about product quality control and related health and environmental safety topics, including human, animal and plant safety assurance issues. These conference proceedings provide contemporary information on the general theoretical, metrological and practical issues of the production and application of reference materials. Reference materials play an integral role in physical, chemical and related type of measurements, ensuring their uniformity, comparability and the validity of quantitative analysis as well as, as a result, the objectivity of decisions concerning the elimination of technical barriers in commercial and economic, scientific and technical and other spheres of cooperation. The book is intended for researchers and practitioners in the field of chemistry, metrologists, technical physics, as well as for specialists in analytical laboratories, or working for companies and organizations involved in the production, distribution and use of reference materials.
