Chapter 7
Developments of Environmentally Certified Reference Material From the Brazilian Metrology Institute to Support National Traceability

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ABSTRACT

This chapter aims to present the developments performed by the Brazilian Metrology Institute (NMI) – Inmetro, considering the environmental demand. Inmetro addresses a great part of its activities to the study of the traceability transference based on production and dissemination of certified reference material (CRM) of different areas in chemistry. The chapter presents results from certification of the following reference materials developed: BTEX and PAH in solution, besides automotive emission gas mixtures and bioethanol. So, the achievements made are the growth in developing CRM in order to support the needs of the national industry and to disseminate traceability among the society.
Dielectric Properties Measurement of Biological Materials Using Non-Destructive Sensors
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