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26.10.2026, 15:31

The novel testing methods of aerosol products for industrial radiography

Authors Witold Rzodkiewicz - Central Office of Measures (Główny Urząd Miar)

[aerosol products](#) [computed tomography](#) [digital radiography](#) [X-ray radiation](#)

Abstract

In the paper, new methods related to the determination of the volumetric content of canister filled with aerosol products are presented. The new methods are based on direct digital radiography (DR) with using X-ray radiation. For the needs of new methods, the X-ray CCD-DR imaging system was built and developed. For comparison purposes, with regard to the volumetric content, a lot of metal cans of specific capacities were inspected. In the future, computed tomography (CT) for industrial radiography in our laboratory will be used. It will give us possibility for very accurate measurements to determine volumetric content of examined canisters and other various mechanical elements.

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ISSN 2300-8806

Year 2016

Volume 3-4

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