

American National Standard for Determination of Uniformity of Solid Gamma-Emitting Flood Sources

Sponsor

National Committee on Radiation Instrumentation, N42

Accredited by the

American National Standards Institute

Secretariat

The Institute of Electrical and Electronics Engineers, Inc.

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Abstract: Minimum informational requirements for a Test and Measurement Report for flood sources used with scintillation cameras are provided. It is not intended to specify the means by which such information is obtained although it does place requirements and limitations on the methodology. In addition, it is not intended to cover the use of the source in the determination of the operating characteristics or correction factors for a scintillation camera.

Keywords: flood source, nuclear medicine, quality control, scintillation camera, sealed source, Test and Measurement Report, unit cell, useful region

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Introduction

(This introduction is not part of ANSI N42.27-1999, American National Standard for Determination of Uniformity of Solid Gamma-Emitting Flood Sources.)

This standard is the responsibility of the Accredited Standards Committee N42 on Radiation Instrumentation. Committee N42 delegated the development of this standard to its subcommittee N42.RM. Drafts were reviewed by Committee N42, Subcommittee N42.RM, and other interested parties, and the comments received were utilized in producing the standard as finally approved.

At the time it approved this standard, the Accredited Standards Committee on Radiation Instrumentation, N42, had the following members:

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