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ASTM International Technical Committee E61 on Radiation Processing

Scope

To establish and maintain standard practices, methods, and guides for ionizing radiation processing and dosimetry for applications including medical products, pharmaceuticals, foods, polymers, and other consumer products.

To develop standard methods for characterizing and operating gamma ray, x-ray, and electron beam irradiators, and encourage use of these standards in radiation processing through meetings, workshops, and symposia.

The committee also provides consultation in the application of dosimetry systems and may identify areas for additional research.

Liaison is maintained with other ASTM committees, other national and international standards developing organizations, the community of users, and other interested groups in order to be responsive to needs, avoid duplication of effort and promote new techniques and technologies.

Technical Subcommittees

- E61.01 Dosimetry
- E61.02 Dosimetry Systems
- E61.03 Dosimetry Application
- E61.04 Specialty Application
- E61.05 Food Irradiation

Key Documents

- E2232 Standard Guide for Selection and Use of Mathematical Methods for Calculating Absorbed Dose in Radiation Processing Applications
- E2449 Standard Guide for Irradiation of Pre-packaged Processed Meat and Poultry Products to Control Pathogens and Other Microorganisms
- ISO/ASTM 52303 Standard Guide for Absorbed-Dose Mapping in Radiation Processing Facilities
- ISO/ASTM 52628 Standard Practice for Dosimetry in Radiation Processing
- ISO/ASTM 52701 Standard Guide for Performance Characterization of Dosimeters and Dosimetry Systems for Use in Radiation Processing

Learn more about Committee E61
www.astm.org/COMMIT/E61



Quick Facts

Established 2012

Number of Members 140

Number of Standards 35

Global Participation

20 Countries represented

The standards are available in

Volume 12.02 in the *Annual*

Book of ASTM Standards

Meetings E61 meets twice each year, in January and June

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