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Over 12,000 ASTM standards operate globally. Defined and set by us, they improve the lives of millions every day.

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Committee E56 Nanotechnology

www.astm.org

Formed in 2005, ASTM Committee E56 develops standards and guidance for nanotechnology and nanomaterials, and coordinates existing ASTM standardization related to nanotechnology needs. These international standards address topics including: nano-enabled consumer products, physical and chemical characterization, and intellectual property issues.

165

Technical
Experts

17

Countries

9

Subcommittees

17

Standards

E56 Subcommittees and Key Documents

Subcommittees:

- **E56.01** Informatics and Terminology
- **E56.02** Physical and Chemical Characterization
- **E56.03** Environment, Health, and Safety
- **E56.04** Intellectual Property Issues
- **E56.05** Liaison and International Cooperation
- **E56.06** Nano-Enabled Consumer Products
- **E56.07** Education and Workforce Development
- **E56.90** Executive
- **E56.91** Strategic Planning and Review

Key Standards:

- **E2490** Standard Guide for Measurement of Particle Size Distribution of Nanomaterials in Suspension by Photon Correlation Spectroscopy (PCS)
- **E2865** Standard Guide for Measurement of Electrophoretic Mobility and Zeta Potential of Nanosized Biological Materials
- **E2864** Standard Test Method for Measurement of Airborne Metal and Metal Oxide Nanoparticle Surface Area Concentration in Inhalation Exposure Chambers
- **E2524** Standard Test Method for Analysis of Hemolytic Properties of Nanoparticles
- **E2526** Standard Test Method for Evaluation of Cytotoxicity of Nanoparticulate Materials in Porcine Kidney Cells and Human Hepatocarcinoma Cells
- **E2535** Standard Guide for Handling Unbound Engineered Nanoscale Particles in Occupational Settings
- **E3025** Standard Guide for Tiered Approach to Detection and Characterization of Silver Nanomaterials in Textiles

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How You Can Contribute to Nanotechnology Standardization?

Membership in Committee E56

The committee welcomes all users, technical experts or anyone with a general interest who has a desire to work toward further development of nanotechnology and nanomaterial standardization. Meetings are held twice a year. Standards development work continues all year long through electronic tools and virtual meetings.

Just a few of the benefits you will receive when you join ASTM:

- Network with other professionals worldwide;
- Have direct input into the development of new and revised standards;
- Participate in informational webinars;
- Receive a free volume of the *Annual Book of ASTM Standards*;
- Enjoy discounts on all ASTM publications;
- Receive free subscription to *ASTM Standardization News* and ASTM eNews; and
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