

# U.S. Consumer Product Safety Commission

## MEETING LOG

**PRODUCT:** Nanotechnology

**SUBJECT:** ISO/TC 229 Nanotechnologies Working Group 3 (Health Safety and the Environment)  
Virtual Meeting to Discuss Potential New Work Item Proposals (NWIPs)

**LOCATION:** Teleconference

**DATE:** February 28, 2024

**ENTRY DATE:** February 29, 2024

**LOG ENTRY SOURCE:** Joanna Matheson (HSTR)

**COMMISSION ATTENDEES:** Joanna Matheson (HSTR)

**NON-COMMISSION ATTENDEES:** Contact ANSI for a complete list.

### MEETING SUMMARY:

ISO Technical Committee 229 (ISO TC/229) focuses on standardization in the field of nanotechnologies, understanding and control of matter and processes at the nanoscale where the onset of size-dependent phenomena usually enables novel applications, as well as use of nanoscale materials to create improved materials, devices, and systems that exploit these new properties. Specific working groups address the development of standards and guides for terminology and nomenclature; metrology and instrumentation; test methodologies; modelling and simulations; and science-based health, safety, and environmental practices.

Before discussing new work item proposals, it was noted that two work items have been published, ISO/TS 5387 *Lung burden mass measurement of nanomaterials for inhalation toxicity tests* and ISO/TS 7833 *Extraction method of nanomaterials from lung tissue by proteinase K digestion*.

ISO TC/229 encourages proposals for new projects. Presentations were given on two new work item proposals: *Bronchoalveolar lavage fluid collection and analysis method*; and *Lysosomal membrane permeabilization (LMP) assessment as a predictive measure of the long-term toxic effects of biopersistent/biodurable nanomaterials*.

The working group experts supported the advancement of the lysosomal membrane permeabilization project to ISO/TC 229 for development as a preliminary work item since the co-leads (South Africa and South Korea) requested a round robin process as part of its development.