

U.S. Consumer Product Safety Commission

LOG OF MEETING

SUBJECT: Meeting of the ASTM E56 Task Group on Nanoplastics (Nanotechnology)

DATE OF MEETING: December 5, 2023

PLACE OF MEETING: Virtual

LOG ENTRY SOURCE: Joanna Matheson (HSTR)

COMMISSION ATTENDEES: Joanna Matheson (HSTR)

NON-COMMISSION ATTENDEES: Contact ASTM for a complete list.

SUMMARY OF MEETING:

ASTM E56 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 subcommittees address the development of standards and guides for terminology and nomenclature; education and outreach; physico-chemical characterization; nano-enabled consumer products; environmental health and safety; and nano-enabled medical products. This informal task group on nanoplastics was established in April 2023.

On Tuesday, December 5th the task group met by teleconference to review the task group's scope, which is to define the need and readiness for standards related to nanoplastic particles. For the purpose of this task group:

- Standards should include all forms of documents (e.g., methods, specifications, guides) and materials.
- Nanoplastics are plastic particles between 1nm and 1000nm intentionally produced or incidentally generated.

The task group is working to ensure its activities do not overlap with that of other international standard organizations. The meeting focused on the development of a questionnaire whose results would aid in determining documentary standard needs for nanoplastics. A series of questions would determine the needs and prioritization of standards on topics such as metrology, sampling, and matrices, relevant for nanoplastics.

The next meeting is TBD, most likely at the end of January 2024.