IEST-RP-CC004.3

Evaluating Wiping Materials Used in Cleanrooms and Other Controlled Environments
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Contamination Control Division
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1 SCOPE AND LIMITATIONS

1.1 Scope
This Recommended Practice (RP) describes methods for testing wipers used in cleanrooms and other controlled environments for characteristics related to both cleanliness and function.

1.2 Limitations
No recommendations are made for the construction, packaging, or laundering of wipers, or for the determination of such physical characteristics as strength or resistance to abrasion.

2 REFERENCES
The following documents are incorporated into this RP to the extent specified herein. Users should apply the most recent editions of the references.

2.1 ANSI

2.2 American Society for Testing and Materials (ASTM)
ASTM D1193-99e1: Standard Specification for Reagent Water

ASTM E2090-00: Standard Test Method for Size-Differentiated Counting of Particles and Fibers Released from Clean Room Wipers Using Optical and Scanning Electron Microscopy


2.3 ESD
ESD STM11.11-2001: Surface Resistance Measurement of Static Dissipative Planar Materials

2.4 Institute of Environmental Sciences and Technology (IEST)
IEST-RP-CC013-86T: Equipment Calibration or Validation Procedures

IEST-RP-CC022.1: Electrostatic Charge in Cleanrooms and Other Controlled Environments

2.5 International Organization for Standardization (ISO)
ISO 14644-1: Cleanrooms and associated controlled environments—Part 1: Classification of air cleanliness