

**INSTITUTE OF
ENVIRONMENTAL
SCIENCES AND
TECHNOLOGY**

**Contamination Control Division
Recommended Practice 004.2**

IENT-RP-CC004.2

**Evaluating Wiping Materials
Used in Cleanrooms and
Other Controlled
Environments**

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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, nor for the determination of such physical characteristics as strength or resistance to abrasion.

2 REFERENCES

2.1 Federal Standard

FED-STD-209: Airborne Particulate Cleanliness Classes in Cleanrooms and Clean Zones

2.2 American Society for Testing and Materials (ASTM)

ASTM-D1193: Specification for Reagent Water

ASTM-F24: Measuring and Counting Particulate Contamination on Surfaces

ASTM-F311: Processing Aerospace Liquid Samples for Particulate Contamination Analysis Using Membrane Filters

ASTM-F312: Microscopical Sizing and Counting Particles from Aerospace Fluids on Membrane Filters

ASTM-F575: Particle Concentration in Liquids

2.3 Institute of Environmental Sciences and Technology (IEST)

IEST-RP-CC-002: Laminar Flow Clean Air Devices

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

2.4 Sources and addresses

ASTM

American Society for Testing and Materials
1916 Race Street
Philadelphia, Pennsylvania 19103

IEST

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3 TERMS AND DEFINITIONS

generated particles

Particles that are not already present on the surface of a wiper, but that are generated in response to