Contamination Control Division
Recommended Practice 003.3

IEST-RP-CC003.3

Garment System Considerations for Cleanrooms and Other Controlled Environments
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INSTITUTE OF ENVIRONMENTAL SCIENCES AND TECHNOLOGY
Arlington Place One
2340 S. Arlington Heights Road, Suite 100
Arlington Heights, IL 60005-4516
Phone: (847) 981-0100 • Fax: (847) 981-4130

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1 SCOPE AND LIMITATIONS

1.1 Scope
This Recommended Practice (RP) addresses the gowning of personnel as an important aspect of cleanroom contamination control. It provides non-mandatory guidance for the selection, specification, maintenance, and testing of apparel and accessories appropriate for use in nonaseptic and aseptic cleanrooms and other controlled environments.

1.2 Limitations
This RP does not prescribe design or performance requirements for garments, or control limits for specific cleanroom applications, such as food processing. It does not address personal protection or health and safety requirements as related to cleanroom apparel and accessories. Limitations, applicability, precision, and interpretation of data obtained from recommended testing as presented in Appendix B should be considered.

2 REFERENCES

2.1 American Association of Textile Chemists and Colorists (AATCC)
AATCC Test Method 22: Water Repellency—Spray Test
AATCC Test Method 118: Hydrocarbon Resistance Test
AATCC Test Method 127: Water Resistance—Hydrostatic Pressure Test

2.2 Association of the Nonwoven Fabrics Industry (INDA)
INDA Standard Test Method: IST 80.8—Alcohol Repellency of Nonwoven Fabrics

2.3 ASTM International
ASTM D737: Test Method for Air Permeability of Textile Fabrics
ASTM D3776: Standard Test Methods for Mass Per Unit Area (Weight) of Fabric
ASTM D5034: Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)