

Cleanroom Classifications

ISO Class	FED-STD-209E	GMP EU Grade	Maximum Particles $\geq 0.5 \mu\text{m}$ (per cubic meter)	Maximum Particles $\geq 0.5 \mu\text{m}$ (per cubic foot)
ISO Class 5	Class 100	Grade A	3,520	100
ISO Class 5	Class 100	Grade B (at rest)	3,520	100
ISO Class 7	Class 10,000	Grade B (operational)	352,000	10,000
ISO Class 7	Class 10,000	Grade C (at rest)	352,000	10,000
ISO Class 8	Class 100,000	Grade C (operational)	3,520,000	100,000

Minimum Wipe Recommendations

	ISO 8 Class 100,00	ISO 7 Class 10,000	ISO 6 Class 1,000	ISO 5 Class 100	ISO 4 Class 10
Poly-Cellulose	✓	✓	✓	✓	
Polypropylene	✓	✓	✓		
Polyester Knit			✓	✓	
Polyester, Sealed Edges				✓	✓

Minimum Apparel Recommendations

	ISO 8 Class 100,00	ISO 7 Class 10,000	ISO 6 (Class 1,000)	ISO 5 (Class 100)	ISO 4 (Class 10)
Beard Cover	✓	✓	✓	✓	✓
Face Mask				✓	✓
Booties			✓	✓	✓
Coverall			✓	✓	✓
Gloves	✓	✓	✓	✓	✓
Hair Cover	✓	✓	✓	✓	✓
Hood				✓	✓
Lab Coat	✓	✓			

The above diagram is a recommendation only. Follow your specific cleanroom or company procedural manual before this guide. The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed, including without limitation any warranty of merchantability and fitness for use. All users of the material are responsible for assuring that it is suitable for their needs, environment and end use. All data is subject to change as Blue Thunder Technologies deems appropriate.

