

Thomas Scientific M1 Microfiber Wipers

Suitable for use in ISO 4 and higher cleanrooms, this woven microfiber is designed to deliver impressive particle and oily residue removal in your cleanroom environment.

- Laser cut edges to secure loose fibers when wiping
- Class 100 cleanroom laundered
- Double-bagged



Product	Model	Class	Edge Finish	Wiper Size	Packaging
21A00P828	M1 MFSE99	ISO 4	Laser Seal	9" x 9" (23cm x 23cm)	100 ea/bag; 10 bags/case Flat-stacked
21A00P829	M1 MFSE12	ISO 4	Laser Seal	12" x 12" (23cm x 23cm)	100 ea/bag; 10 bags/case Flat-stacked

Purity Specifications

Particles & Fibers	Upper Limit*
Particles >0.50um	<8.5
Particles >5.0um	<1.0
Fibers >100um	<450

* x 10⁶ particles/m²

*Particles: IEST-RP-CC004.3 Section 6.1.4

Fibers: IEST-RP-CC004.3 Section 6.2.2 (Orbital Shake Test)

Nonvolatile Residue

Extractant	Upper Limit*
IPA	<0.10 g/m ²
DI Water	<0.05 g/m ²

*IEST-RP-CC004.3 Section 7.1.2

Extractables

Ion	Upper Limit*
Sodium (Na ⁺)	<0.20 ppm
Potassium(K ⁺)	<0.10 ppm
Calcium (Ca ²⁺)	<0.20 ppm
Chloride (Cl ⁻)	<0.20 ppm
Magnesium (Mg ²⁺)	<0.10 ppm

*IEST-RP-CC004.3 Section 7.1.2 (Short Term Extraction)

Physical Properties

Basis Weight	110 g/m ²
	172 g/m ² – TC2MFW-12
Thickness	(+/- 3mm)
Material	100% Polyester/Nylon
Absorbency	Extrinsic Capacity: 309 ml/m ²
	Intrinsic Capacity: 2.42 ml/g
	Rate: <1 second