

FREE-SAT ULTIMATE 70™

Presaturated Polyester Cleanroom Wipes

Technical Data Sheet

Description

FREE-SAT ULTIMATE 70™ cleanroom wipes are made from knit 100% polyester with laser cut edges and presaturated with isopropyl alcohol. These wipes are manufactured in a cleanroom environment and cleanroom packaged.

Features and Benefits

- Manufactured from 100% polyester providing a tough, absorbent and abrasion resistant product
- Production process guarantees extremely low particle generation and chemical extractables
- Saturated with varying IPA percentages
- Packaged in tubs that can be opened with one hand allowing for easy accessibility or in resealable pouches
- Sealed in tough nylon bags within tub dramatically increasing shelf life
- Gamma irradiated sterile products available
- Meets USP <797> and USP <800> wipe requirements
- Provide lot-to-lot traceability
- Custom products available upon request

Industries

- Laboratory
- Medical Devices
- Aerospace
- Pharmaceutical
- Electronics
- Printing
- Industrial

Applications

- Wiping and cleaning all aspects of cleanroom
- Controlling spills
- Removal of solutions such as disinfectants, adhesives, residues, etc.
- Final cleaning of surface or products
- Cleaning notebooks, phones, and any other equipment/supplies within the cleanroom

Cleanroom Environment

- ISO Class 5-8
- Class 100-100,000



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Physical Characteristics	
Basis Weight	140 gsm
Thickness	0.48 mm
Absorbency Sorbptive Capacity (IEST-RP-CC004.3, Sec 8.1) Sorbptive Rate (IEST-RP-CC004.3, Sec 8.2)	310 mL/m ² 1 sec
Performance Characteristics	
Particles LPC (≥ 0.5µm) (IEST-RP-CC004.3, Sec 6.1.4) APC (≥ 0.5µm) (IEST-RP-CC003.2, Helmke drum @ 10 rpm)	7.0 x 10 ⁶ counts/m ² 9.57 x 10 ³ counts/m ² /cfm
Non-volatile Residue, NVR (IEST-RP-CC004.3, Sec 7.1.2) DI water extractant IPA extractant	0.14 mg/g 0.52 mg/g
Ions (IEST-RP-CC004.3, Sec 7.2.2) Chloride (Cl) Nitrates (NO ₃) Nitrite (NO ₂) Sulphate (SO ₄) Sodium (Na) Potassium (K) Magnesium (Mg) Calcium (Ca)	0.000174 mg/g 0.000019 mg/g 0.000025 mg/g 0.000083 mg/g 0.000312 mg/g 0.000227 mg/g 0.000049 mg/g 0.000021 mg/g
Organics by FTIR (IEST-RP-CC004.3, Sec 7.2.1)	No Silicone oil, Amide, DOP detected

Note: The above is typical physical property test data applicable to the sample reference name and should not be construed as a specification

Product Number	Sterile	Size	Saturation	Packaging	Case
FS-ULT70-99.30		9" x 9" (23 cm x 23 cm)	70% IPA / 30% DI Water	30 wipes/tub	12 tubs
FS-ULT70-99.40		9" x 9" (23 cm x 23 cm)	70% IPA / 30% DI Water	40 wipes/tub	12 tubs
FS-ULT70-99.99		9" x 9" (23 cm x 23 cm)	70% IPA / 30% DI Water	30 wipes/tub	12 tubs
FS-ULT70-99CB	●	9" x 9" (23 cm x 23 cm)	70% IPA / 30% DI Water	30 wipes/pouch	10 pouches
Custom products available upon request					

