



Datasheet DELTAPURE® Swab DZ-093VFCTD

93 mm Polyurethane Foam Cleanroom Swab



Product Informations

Applications

DELTAPURE® polyurethane foam and polyester swabs are designed for precision surface cleaning and application of liquid lubricants in cleanroom environments. These swabs are manufactured in ISO Class 5 cleanroom using patent processes that produce high quality swabs capable of meeting the strictest requirements of industries such as semiconductor, flat panel display, microelectronics, biotechnology and health care.

Benefits

- Absorbent and chemical resistant
- Low levels of particles and extractables
- Compatible with IPA and many cleaning solvents
- Excellent for applying lubricants and other liquids
- Suitable for cleaning sensitive surfaces

Product Specifications

Material	
Swab head	100 ppi open-cell polyurethane foam
Swab handle	Polypropylene
Dimensions	
Total swab length	93 mm
Swab head	16.5 mm (L) x 6.8 mm (W) x 6.8 mm (Thickness)
Swab handle	76.5 mm (L) x 3.1 mm (Diameter)
Head shape	Flat

Order Information

Number	Product	Inner bag	Bag	Case
DZ093VFCTD	DELTAPURE® Swab DZ-093VFCTD		100 swabs	150 bags (15'000 swabs)



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Technical Data

Contamination Characteristics

Property	Value	Test method
Particle counts - LPC $\geq 0.5 \mu\text{m}$	2'680 counts/tip	IEST-RP-CC004.3\6.1.4
Non volatile residue (NVR) - IPA extractant	0.05 mg/tip	IEST-RP-CC004.3\7.1.2
Extractable counts (Ions) - Chloride (Cl ⁻)	< 0.05 $\mu\text{g}/\text{tip}$	IEST-RP-CC004.3\7.2.2
Extractable counts (Ions) - Sulfate (SO ₄ ²⁻)	< 0.01 $\mu\text{g}/\text{tip}$	IEST-RP-CC004.3\7.1.2
Extractable counts (Ions) - Nitrate (NO ₃ ⁻)	< 0.01 $\mu\text{g}/\text{tip}$	IEST-RP-CC004.3\7.1.2
Extractable counts (Ions) - Phosphate (PO ₄ ³⁻)	< 0.01 $\mu\text{g}/\text{tip}$	IEST-RP-CC004.3\7.1.2
Extractable counts (Ions) - Fluoride (F ⁻)	< 0.01 $\mu\text{g}/\text{tip}$	IEST-RP-CC004.3\7.1.2
Extractable counts (Ions) - Potassium (K ⁺)	< 0.01 $\mu\text{g}/\text{tip}$	IEST-RP-CC004.3\7.1.2
Extractable counts (Ions) - Calcium (Ca ⁺⁺)	< 0.02 $\mu\text{g}/\text{tip}$	IEST-RP-CC004.3\7.1.2
Extractable counts (Ions) - Sodium (NA ⁺)	< 0.05 $\mu\text{g}/\text{tip}$	IEST-RP-CC004.3\7.1.2
Extractable counts (Ions) - Magnesium (Mg ⁺⁺)	< 0.01 $\mu\text{g}/\text{tip}$	IEST-RP-CC004.3\7.1.2
FTIR	No silicone, amide and DOP detected	

Date

12/2019