



NanoTek
ISO 3-4 (Class 1-10)

Valutek Pre-Saturated Laser Sealed Polyester Wiper



Laser Sealed Edge

Valutek's pre-saturated polyester wiper is crafted from 100% continuous filament polyester fabric, pre-wetted with a blend of isopropyl alcohol and DI water.

This pre-saturated format enhances the wiper's absorbent capacity and effectiveness, while also reducing airborne contamination when compared to traditional solvent bottle dispensers, sprays, and spills.

All Valutek pre-saturated wipers are mixed and cleanroom vacuum sealed under documented inspection and process control to meet Valutek quality standards and product specifications.

Part Number: VTPNWLSI

Features

- 100% continuous filament, double-knit polyester
- Laser-sealed (thermally sealed) edges to minimize fiber contamination.
- Pre-saturated with specified IPA/DI Water concentrations to achieve a 38% saturation level.
- Comprised of 99.99% VLSI grade IPA mixed with 18 megohm DI water for unparalleled assayed purity.
- Available in both reusable pail packaging and refill pack packaging options.
- The pre-saturated solution enhances both cleaning efficiency and cleaning protocol consistency.
- Extremely low levels of particles, fibers, ions, and extractable.

Application

As part of the **Valutek Nanotek product family**, this product is recommended for use in cleanroom **Class 1-10 (ISO 3-4)** critical environments.

This product is specifically designed for cleaning critical surfaces in environments where strict control of flammable solvents and their concentrations is essential. The various IPA blend levels it offers are well-suited for effectively removing different cleaning and disinfecting residues in regulated environments.

- All wipers are packed in double poly bags, vacuum sealed, flat packed in carton boxes and with a carton liner.
- Critical environment compatible.
- All wipers are **lot traceable** with retention samples held in **Quality Control for 36 months** from manufacturing.



Gloves



Wipers



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Documentation



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ESD



NanoTek
ISO 3-4 (Class I-10)

Valutek Pre-Wetted Laser-Sealed Polyester Wiper

Part Number: VTPNWLSI

VTPNWLSI Sizes, IPA Concentration Percentage and Packaging



Reusable Pail Package

Part Number	Size	IPA / DI H ₂ O (%)	Packaging
VTPNWLSI06-99	9" x 9" 23 cm x 23 cm	6/94	150 ea/bag, 2 bags/case, 300 ea/case
VTPNWLSI10-99	9" x 9" 23 cm x 23 cm	10/90	150 ea/bag, 2 bags/case, 300 ea/case
VTPNWLSI50-99	9" x 9" 23 cm x 23 cm	50/50	150 ea/bag, 2 bags/case, 300 ea/case
VTPNWLSI70-99	9" x 9" 23 cm x 23 cm	70/30	150 ea/bag, 2 bags/case, 300 ea/case
VTPNWLSI70-1212	9" x 9" 30 cm x 30 cm	70/30	120 ea/bag, 2 bags/case, 240 ea/case
VTPNWLSI90-99	9" x 9" 23 cm x 23 cm	90/10	150 ea/bag, 2 bags/case, 300 ea/case
VTPNWLSI99-99	9" x 9" 23 cm x 23 cm	99/1	150 ea/bag, 2 bags/case, 300 ea/case
VTPNWLSI100-99	9" x 9" 23 cm x 23 cm	100/0	150 ea/bag, 2 bags/case, 300 ea/case

Part Number	Size	IPA / DI H ₂ O (%)	Packaging
VTPNWLSI06R-99	9" x 9" 23 cm x 23 cm	6/94	75ea/bag, 2bags/pack, 4packs/case, 600 ea/case
VTPNWLSI10R-99	9" x 9" 23 cm x 23 cm	10/90	75ea/bag, 2bags/pack, 4packs/case, 600 ea/case
VTPNWLSI50R-99	9" x 9" 23 cm x 23 cm	50/50	75ea/bag, 2bags/pack, 4packs/case, 600 ea/case
VTPNWLSI70R-99	9" x 9" 23 cm x 23 cm	70/30	75ea/bag, 2bags/pack, 4packs/case, 600 ea/case
VTPNWLSI90R-99	9" x 9" 23 cm x 23 cm	90/10	75ea/bag, 2bags/pack, 4packs/case, 600 ea/case
VTPNWLSI99R-99	9" x 9" 23 cm x 23 cm	99/1	75ea/bag, 2bags/pack, 4packs/case, 600 ea/case
VTPNWLSI100R-99	9" x 9" 23 cm x 23 cm	100/0	75ea/bag, 2bags/pack, 4packs/case, 600 ea/case



Refill Pack Package

VTPNWLSI Technical Performance (In Dry State)

Attribute		Value		Units		Test Method	
Basis Weight		135 ± 5		g/m ²		TAPPI T-410	
Absorbency							
Sorptive Efficiency		2		mL/g		IEST-RP.CC004.3, Sec 8.1/Sec 8.2	
Sorptive Capacity		310		mL/m ²			
Sorptive Rate		<1		second			
Particle Counts							
LPC: ≥0.5 µm		<10		10 ⁶ X particles/m ²		IEST-RP.CC004.3, Sec 6.1.3/Sec 6.2.1	
Non Volatile Residue (NVR)							
DI Water Extractant		0.02		g/m ²		IEST-RP.CC004.3, Sec 7.1.2	
IPA Extractant		0.1		g/m ²			
Extractable Counts (Ions)							
Sodium(Na ⁺)		<0.2 ppm	Fluoride(F ⁻)		<0.2 ppm	IEST-RP.CC004.3, Sec 7.2.2	
Potassium(K ⁺)		<0.2 ppm	Nitrite(No ₂ ⁻)		<0.2 ppm		
Calcium(Ca ²⁺)		<0.5 ppm	Bromide(Br ⁻)		<0.2 ppm		
Magnesium(Mg ²⁺)		<0.2 ppm	Phosphate(PO ₄ ³⁻)		<0.3 ppm		
Ammonium(NH ₄ ⁺)		<0.3 ppm	Chloride(Cl ⁻)		<0.2 ppm		
Nitrate(NO ₃ ⁻)		<0.3 ppm	Sulfate(SO ₄ ²⁻)		<0.2 ppm		

***Note:** Technical data listed reflects upper/lower limits. Certificates of Analysis available upon request for actual lot-to-lot test data. 36 month lot trend analysis available upon request



Valutek WEST
Phoenix, AZ - USA

Valutek EAST
Albany, NY - USA

Valutek ASIA
Penang - Malaysia

1.800.763.1250

orderdesk@valutek.com

valutek.com

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