



NanoTek
ISO 3-4 (Class 1-10)

Valutek Pre-Saturated Polyester Wiper



Valutek's pre-saturated polyester wiper is made from 100% continuous filament polyester fabric with varying saturation levels of isopropyl alcohol and DI water.

The pre-saturated format enhances the wiper's absorbent capacity, effectiveness, and reduces airborne contamination compared to traditional solvent bottle dispensers, sprays, and spills.

All Valutek pre-saturated wipers are assembled in a Class 10 cleanroom under Valutek's inspection and strict process control to uphold Valutek quality standards and meet product specifications.

Part Number: VTPNWSI

Features

- 100% continuous filament, double-knit polyester fiber with cold knife cut edge
- 99.99% IPA VLSI grade mixed with 18 megohm DI water for unmatched assayed purity
- Saturated with consistent IPA/DI water concentrations and saturation levels
- Available in both reusable pail packaging and refill pack packaging
- The pre-saturated solution increases both cleaning efficiency and cleaning protocol consistency
- Very low levels of particles, fibers, ions and extractable
- High abrasion resistance

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 designed for wet cleaning of critical surfaces in environments where strict control of flammable solvents and solvent concentrations is necessary. It offers various IPA blend levels, making it ideal for effectively removing different cleaning and disinfecting residues in controlled 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



Apparel



Adhesive Mats



Cleaning & Maintenance



Documentation



Glove Liners



ESD



Valutek Pre-Saturated Polyester Wiper

Part Number: VTPNWSI

VTPNWSI Sizes, IPA Concentration Percentage and Packaging



Reusable Pail Package

Part Number	Size	IPA / DI H ₂ O (%)	Packaging
VTPNWSI05-99	9" x 9" 23 cm x 23 cm	5/95	150 ea/bag, 2 bags/case, 300 ea/case
VTPNWSI10-99	9" x 9" 23 cm x 23 cm	10/90	150 ea/bag, 2 bags/case, 300 ea/case
VTPNWSI50-99	9" x 9" 23 cm x 23 cm	50/50	150 ea/bag, 2 bags/case, 300 ea/case
VTPNWSI70-99	9" x 9" 23 cm x 23 cm	70/30	150 ea/bag, 2 bags/case, 300 ea/case
VTPNWSI90-99	9" x 9" 23 cm x 23 cm	90/10	150 ea/bag, 2 bags/case, 300 ea/case
VTPNWSI99-99	9" x 9" 23 cm x 23 cm	99/1	150 ea/bag, 2 bags/case, 300 ea/case
VTPNWSI100-99	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
VTPNWSI05R-99	9" x 9" 23 cm x 23 cm	5/95	75 ea/bag, 2 bags/pack, 4 packs/case, 600 ea/case
VTPNWSI10R-99	9" x 9" 23 cm x 23 cm	10/90	75 ea/bag, 2 bags/pack, 4 packs/case, 600 ea/case
VTPNWSI50R-99	9" x 9" 23 cm x 23 cm	50/50	75 ea/bag, 2 bags/pack, 4 packs/case, 600 ea/case
VTPNWSI70R-99	9" x 9" 23 cm x 23 cm	70/30	75 ea/bag, 2 bags/pack, 4 packs/case, 600 ea/case
VTPNWSI90R-99	9" x 9" 23 cm x 23 cm	90/10	75 ea/bag, 2 bags/pack, 8 packs/case, 1200 ea/case
VTPNWSI99R-99	9" x 9" 23 cm x 23 cm	99/1	75 ea/bag, 2 bags/pack, 4 packs/case, 600 ea/case
VTPNWSI100R-99	9" x 9" 23 cm x 23 cm	100/0	75 ea/bag, 2 bags/pack, 8 packs/case, 1200 ea/case



Refill Pack Package

VTPNWSI 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		<11		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

INNOVATIVE SOLUTIONS FOR CRITICAL ENVIRONMENTS