

TECHNICAL DATA SHEET

**Performance Characteristics**

Property	Typical Value	Test Method*
<b>Particles and Fibers</b>		
LPC: ≥0.5 µm	2.9 x 10 <sup>6</sup> particles/m <sup>2</sup>	
Particles: 0.5-5.0 µm	1.7 x 10 <sup>6</sup> particles/m <sup>2</sup>	
Particles: 5.0-100 µm	37,000 particles/m <sup>2</sup>	1, TM20
Fibers: >100 µm	100 fibers/m <sup>2</sup>	2, TM22
<b>Nonvolatile Residue</b>		
IPA extractant	0.02 g/m <sup>2</sup>	1, TM1
DIW extractant	0.003 g/m <sup>2</sup>	1, TM1
<b>Ions</b>		
Sodium	0.04 ppm	1, TM18
Potassium	0.04 ppm	1, TM18
Chloride	0.009 ppm	1, TM18

**Physical Characteristics**

Property	Typical Value	Test Method*
<b>Absorbency</b>		
Sorptive capacity	320 mL/m <sup>2</sup>	1, TM20
Sorptive rate	0.5 second	1, TM20
<b>Basis Weight</b>	130 g/m <sup>2</sup>	1, TM20

**\*Test Methods**

- 1 – “Evaluating Wiping Materials Used in Cleanroom and Other Controlled Environments,” IEST-RP-CC004.3, Institute for Environmental Sciences and Technology, Rolling Meadows, IL, 2004; [www.iest.org](http://www.iest.org).
- 2 – E2090-12, “Standard Test Method for Size-Differentiated Counting of Particles and Fibers Released from Cleanroom Wipers Using Optical and Scanning Electron Microscopy,” ASTM International, West Conshohocken, PA, 2012; [www.astm.org](http://www.astm.org).
- TM – Refers to Texwipe Test Method – available upon request. Contact Texwipe Customer Service at [www.texwipe.com](http://www.texwipe.com) or [info@texwipe.com](mailto:info@texwipe.com) for a copy.

Note: The data in this table represent typical analyses.

**For non-sterile products:**

TX8691 – filled using Semiconductor grade IPA

*Texwipe holds ISO 9001 and ISO 14001 registrations.*

*All Texwipe products conform to GHS classification for labeling (where applicable).*

*Shipping classification based on weight of inner package.*

# Vectra<sup>®</sup> LT

Dry | Pre-Wetted

TEX-LIT-TDS-029 Rev.00-02/17

### TECHNICAL DATA SHEET

Vectra® Alpha® 10 LT (top) Vectra® QuanSat™ LT (bottom)



Vectra® Alpha® 10 LT /  
Vectra® QuanSat™ LT  
100% polyester



#### Products

Number	Description	Sterile	Packaging	Case
<b>Dry Wipers – Vectra® Alpha® 10 LT</b>				
TX8659	9" x 9" (23 cm x 23 cm) dry		150 wipers/bag (2 inner bags of 75)	10 bags
<b>Pre-Wetted Wipers – Vectra® QuanSat™ LT</b>				
TX8691	9" x 9" (23 cm x 23 cm) pre-wetted with 6% IPA		50 wipers/bag	12 bags

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#### Description

Vectra® Alpha® 10 LT and Vectra® QuanSat™ LT is made from a low titanium dioxide (TiO<sub>2</sub>) 100% polyester, processed on Texwipe's automated cleaning system.

Vectra® advances the cleaning process and brings this technology to a higher level of wiper manufacturing.

#### Applications

- Use where titanium dioxide may impact the process or product.
- Wiping and cleaning surfaces, equipment and parts.
- Applying and removing lubricants, adhesives, residues and other solutions including disinfectants.
- Cleaning with solvents such as isopropyl alcohol (IPA), ethanol, acetone, and degreasers.
- Lining trays for holding, protecting, drying and storing of parts, equipment and devices.
- Appropriate for use with temperatures less than 400°F (205°C).

#### Industries

Aerospace	Animal Laboratory	Biologics
Cleanroom Design/Build	Compounding Pharmacies	Data Storage
Facilities Maintenance	Industrial	Laboratory
Medical Device	Microelectronics	Pharmaceutical
Printing/Graphics	Semiconductor	

#### Features & Benefits

- Designed with a low level of titanium dioxide (TiO<sub>2</sub>), safe for processes that are affected by the presence of TiO<sub>2</sub>. The presence of TiO<sub>2</sub> may leave an additional residue.
- Vectra® sealed border technology provides low levels of ions, NVRs (non-volatile residues), particles and fibers for use in critical cleaning applications and environments.
- Designed for use on abrasive surfaces. This wiper will not easily snag or abrade releasing particles and fibers into the process or environment.
- Excellent chemical resistance for compatibility with a variety of solutions.
- Vectra® QuanSat™ LT is pre-wetted with 0.2 µm filtered 6% IPA / 94% DIW for ease of use.
- Vectra® QuanSat™ LT wipers are packaged in easy-to-use recloseable slider bags reducing solution evaporation that preserves the consistent wiper wetness level.
- Autoclave safe (dry wipers only).
- Individually lot coded for ease of traceability and quality control.

#### Cleanroom Environment

- ISO Class 1 – 6
- Class <1 – 1,000
- EU Grade A – D

#### Shelf Life

- Non-Sterile (Dry) – 5 years from date of manufacture
- Non-Sterile (Pre-Wetted) – TX8691: 1 year from date of manufacture

Custom products available upon request.