

TECHNICAL DATA SHEET

Performance Characteristics

Property	Typical Value	Test Method*
Particles and Fibers		
LPC: ≥0.5 μm	2.9 x 10 ⁶ particles/m ²	
Particles: 0.5-5.0 μm	1.7 x 10 ⁶ particles/m ²	
Particles: 5.0-100 μm	37,000 particles/m ²	1, TM20
Fibers: >100 μm	100 fibers/m ²	2, TM22
Nonvolatile Residue		
IPA extractant	0.02 g/m ²	1, TM1
DIW extractant	0.003 g/m ²	1, TM1
Ions		
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*
Absorbency		
Sorptive capacity	320 mL/m ²	1, TM20
Sorptive rate	0.5 second	1, TM20
Basis Weight	130 g/m ²	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.
 - 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.
- TM – Refers to Texwipe Test Method – available upon request. Contact Customer Service 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[®] LT

Dry | Pre-Wetted

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

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



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



Products

Number	Description	Sterile	Packaging	Case
Dry Wipers – Vectra® Alpha® 10 LT				
TX8659	9" x 9" (23 cm x 23 cm) dry		150 wipers/bag (2 inner bags of 75)	10 bags
Pre-Wetted Wipers – Vectra® QuanSat™ LT				
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 (TiO₂) 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 (TiO₂), safe for processes that are affected by the presence of TiO₂. The presence of TiO₂ 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.