

TECHNICAL DATA SHEET



Ethyl Alcohol (Ethanol)

Applications

- ▶ Cleaning equipment and environmental surfaces
- ▶ Final wipedown after disinfection
- ▶ Removal of culture residue from contact plates
- ▶ Wiping gloved hands

Features

- ▶ 70% Ethyl Alcohol
- ▶ 100% polyester knit with a soft feel
- ▶ Gamma irradiated in accordance with ANSI/AAMI/ISO 11137
- ▶ Certificates of Processing and Compliance attached to each case
- ▶ Quarterly microbial testing by Agarose Overlay and Limulus Amebocyte Lysate (LAL) endotoxin testing

Products

Number	Description	Packaging
TX3044P	Sterile Vertex® 12" x 12" nominal (31 cm x 31 cm) sealed-edge wipers pre-wetted with 70% USP-Grade Denatured Ethyl Alcohol and USP Purified Water, triple-bagged	25 wipers/bag, 5 bags/case

Description

TX3044P cleanroom wipers, Sterile Vertex with 70% Denatured Ethanol, are made in the USA from a uniquely designed polyester fabric with a very soft feel.

Fabric highlights:

- 100% continuous-filament, polyester knit fabric
- Pre-wetted with 70% denatured ethanol
- 12" x 12" (31cm x 31cm)
- Made in USA

Ethanol

Ethanol is an effective cleaning agent, while being less toxic and irritating to the eyes than IPA.

Ethanol has a better safety profile than IPA. The OSHA Permissible Exposure Limit (PEL) is 2.5 times that of IPA, meaning operator exposure can be longer and with higher concentration solutions.¹ It also offers decreased eye irritation as compared to IPA.²

1. PEL for 8 hours: EtOH – 1000 ppm, IPA – 400 ppm
2. 24 hour exposure: EtOH – 500 mg, IPA – 100 mg

Vertex®

Texwipe's revolutionary Vertex® process manufactures cleanroom wipers in a fully automated ISO Class 3 micro-environment. Sterile Vertex is packaged in an easy-to-use resealable slider bag with a security seal and small footprint. Quarterly Agar Overlay and LAL testing assures that wipers do not contribute cytotoxic leachables and are nonpyrogenic.

Benefits

- ▶ Ethanol is less toxic and irritating to eyes than IPA
- ▶ Ideal for use with delicate surfaces or applications
- ▶ Meets Sterility Assurance Level of 10⁻⁶
- ▶ Confirms radiation dose met specified dose at time of receiving
- ▶ Meets FDA Guideline for medical device bacterial endotoxin limit of not more than 20 EU/device

Vertex® Dry Wipers

Performance and Contamination Characteristics

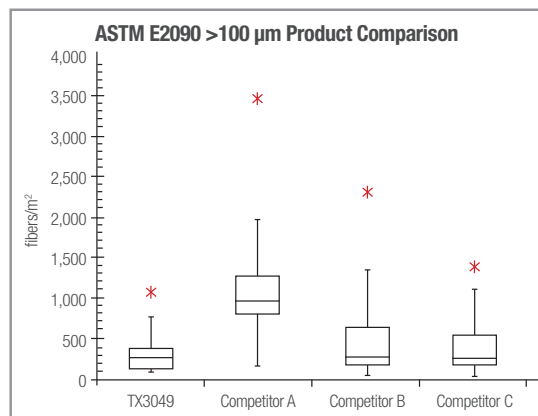
Property	Typical Value	Test Method*	Property	Typical Value	Test Method*
Absorbency			LPC		
Sorptive capacity	450 mL/m ²	1,TM20	≥0.5 µm	9.5 x 10 ⁶ particles/m ²	1,TM22
Sorptive rate	0.3 seconds	1,TM20	Particles and fibers		
			Particles 0.5–5.0 µm	3.0 x 10 ⁶ particles/m ²	1,2,TM22
			5.0–100 µm	66,000 particles/m ²	1,2,TM22
			Fibers >100 µm	200 fibers/m ²	1,2,TM22
			Nonvolatile residue		
			IPA extractant	0.02 g/m ²	1,TM1
			DIW extractant	0.01 g/m ²	1,TM1

Note: The data in these tables represent typical analyses of these wipers at the time of publication. These are not specifications.

*Test Methods

- 1 – IEST-RP-CC004.3, 2004; www.iest.org.
- 2 – ASTM E2090-06, 2006; E2090-06, ASTM International; www.astm.org.
- TM – Texwipe Test Method available upon request. Visit www.texwipe.com or contact Texwipe Customer Service at + 1-336-996-7046.

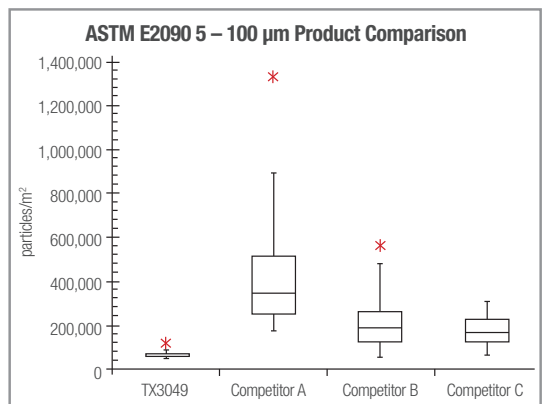
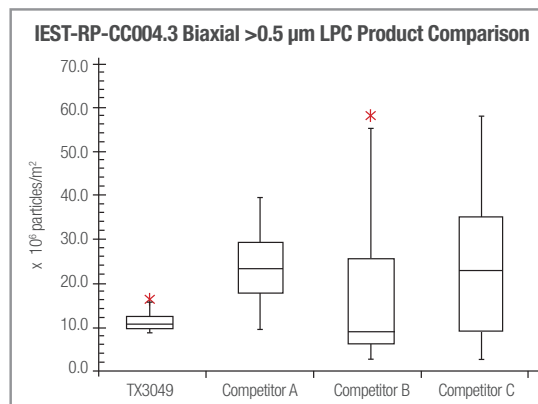
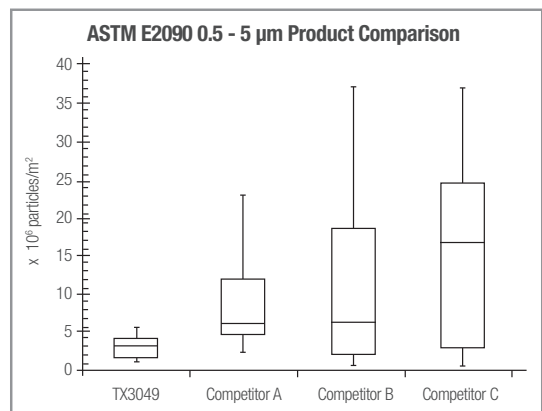
Wiper Consistency Data



The components of a Consistency Chart are:

- ▶ Line – represents the median or middle value of a ranked data set.
- ▶ Box – represents the range of values in which fifty percent of the data lie.
- ▶ Whisker – the line at each end of the box, expresses a range of values in which twenty-five percent of the data set lie.
- ▶ Outlier – indicates points that are significantly different than the rest of the data set.

Lower medians, smaller boxes and shorter whiskers together indicate cleaner and more consistent wipers.



Texwipe Regulatory Certificates

Texwipe is the only wiper company to be registered: ISO 9001 • ISO 13485 • ISO 14001 • OHSAS 18001