



TEST REPORT

DATE: 07-12-2019

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TEST NUMBER: 0258297

CLIENT	SuZhou Tuntex Fiber & Carpet Company
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TEST METHOD CONDUCTED	AATCC Method 174 Part 1 – Standard Method
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Nylon Carpet Tile with MicroShield
CONSTRUCTION	Multi-Level Loop Pile
BACKING	Thermoplastic

General Services Administration (GSA) Technical Requirements:

The zone of inhibition must be a minimum of 2 mm for Gram positive bacteria and a minimum of 1 mm for Gram negative bacteria to be acceptable. In addition, any growth in the contact area is unacceptable. One specimen (fiber up or fiber down) must pass the test.

Sample ID	Carpet Side	Klebsielle pneumonia ATCC 4352	Staphylococcus aureus ATCC6538
1	Fibers	NI/NZ	NI/NZ
	Backing	NI/NZ	NI/NZ

Additional Test Information:

Sample Size: 25 mm x 50 mm rectangle
 Culture Medium: Soybean Casein Digest Broth/Tryptic Soy Agar
 Inoculum Carrier: Sterile Water
 Growth Medium: Nutrient Agar

Interpretation of Results:

- NI = No inhibition of growth under the sample
- I = Inhibition of growth under the sample
- NZ = No zone of inhibition surrounding the sample
- CA = Clear zone of inhibition surrounding the sample & zone width (in millimeters)

APPROVED BY:

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. This report applies only to those samples tested and is not necessarily indicative of apparently identical of similar products. This report, or the name of Professional Testing Laboratory Inc. shall not be used under any circumstance in advertising to the general public.



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CLIENT	SuZhou Tuntex Fiber & Carpet Company
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TEST METHOD CONDUCTED	AATCC Method 174 Part 2 – Standard Method
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Nylon Carpet Tile with MicroShield
CONSTRUCTION	Multi-Level Loop Pile
BACKING	Thermoplastic

General Services Administration (GSA) Technical Requirements:

A minimum of 90 percent reduction against each organism is required.

CONCLUSION	
Inoculum concentration (CFU / 0.1 mL)	Organism / ATCC
3.7 x 10 ⁵	Klebsiella pneumoniae ATCC 4352
2.0 x 10 ⁵	Staphylococcus aureus ATCC 6538

Klebsiella pneumoniae ATCC 4352 Sample #1			
Contact Time	Counts	Percent Reduction	EST
Initial Contact Time	3.7 x 10 ⁵	N/A	N/A
24 Hour Contact Time	2.0 x 10 ²	99.95%	N/A

Staphylococcus aureus ATCC 6538 Sample #1			
Contact Time	Counts	Percent Reduction	EST
Initial Contact Time	1.9 x 10 ⁵	N/A	N/A
24 Hour Contact Time	< 1.0 x 10 ²	99.95%	N/A

Additional Test Information:

Pre-Treatment: Sample(s) pre-wet with sterile water containing 0.05% Triton X-100
 Sample Size: 48 mm disc
 Culture Medium: Soybean Casein Digest Broth
 Inoculum Carrier: Phosphate Buffered Water
 Extraction Method: Hand Shake – 1 minute
 Growth Medium: Nutrient Agar
 Neutralizer: Lethen Broth
 Neutralizer volume: 100 mL
 NA: No Reduction

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TEST NUMBER: 0258297

CLIENT	SuZhou Tuntex Fiber & Carpet Company
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TEST METHOD CONDUCTED	AATCC Method 174 Part 3 – Standard Method
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Nylon Carpet Tile with MicroShield
CONSTRUCTION	Multi-Level Loop Pile
BACKING	Thermoplastic

CONCLUSION	
Aspergillus niger ATCC 6275 Inoculum Concentration (CFU / mL)	
1.0 x 10 ⁶ CFU / mL	

Aspergillus niger ATCC 6275		
Sample ID	Fibers	Backing
1	NZ/NG	NZ/NG

Additional Test Information:

Pre-Treatment: Sample(s) pre-wet with sterile water containing 0.05% Triton X-100
 Sample Size: 38 mm
 Culture Medium: Sabouraud Dextrose Agar
 Inoculum Carrier: Sterile Water
 Growth Medium: Sabouraud Dextrose Agar

Interpretation of Results:

NG = No growth on sample / growth free zone width
 Micro = Microscopic growth on sample (visible only under the microscope)/percentage of surface growth
 Macro = Macroscopic growth on sample (visible to the eye) / percentage of surface growth
 NZ = No zone

General Services Administration (GSA) Technical Requirements:

Any growth on the specimen is unacceptable. One specimen (fiber up or fiber down) must pass the test.

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