

Test Report



No:250357122

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Issue Date:2025-11-27

Applicant: Aimer Co., Ltd.

Address: Building 218 and 219, Zone 2, Lize Zhongyuan, Wangjing Development Zone,
Chaoyang District, Beijing

Information confirmed by applicant:

1/4 Vertical Stripe Antibacterial Fabric

Quantity: 1 piece

Brand: 71K

Style No.: 71K- KXS02M01

Fabric No.: KXS02M01

Colour: Light gray

Manufacturer: Aimer Co., Ltd.

Basis of judgement:

GB/T 39104.2-2020 <Textiles—Determination of antifungal activity of textile products—Part 2: Plate count method>

Date Received/Date Test Started: 2025-11-19

Conclusion:

Antimicrobial activity

Determining resistance to fungi

Note: "M"—Meet the standard's requirement "F"—Fail to meet the standard's requirement
"—"—No comment

Remark:

All the tested items are tested under the standard condition (except for indication).

This report is the english translation version of the report 250342664.

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The experiment was carried out at No.1, Zhujiang Road, Panyu District, Guangzhou, Guangdong, P.R.China.

Approved By: Yuan Liu

Yuan Liu Engineer



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Headquarters: No.1, Zhujiang Road, Panyu District, Guangzhou, Guangdong, P.R.China.

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Huadu Laboratory: No.1, Hebin West Road, Qiling, Huadu District, Guangzhou, Guangdong, P.R.China.

Tel: +86-20- 37721161/66348638

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Antimicrobial activity

Test method:

GB/T 20944.2-2007

Absorption method

Sterilization of samples: Sterilized in autoclave

Contact time: 18h

Control fabric: 100% cotton fabric

Concentration of bacterium:

Propionibacterium acnes ATCC 6919: 1.8×10^5 CFU/mLMalassezia BNCC 337308: 1.8×10^5 CFU/mL

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Test result:

Test bacteria	Number of bacteria (CFU/sample)			Growth value F	Inhibition (%)	The evaluation of antimicrobial activity
	Control fabric		Treated test specimen			
	At "0h" contact time	After "18h" contact time	After "18h" contact time			
Propionibacterium m acnes	3.0×10^4	3.4×10^7	6.8×10^4	3.0	>99	---
---	2.8×10^4	7.6×10^6	3.6×10^4	2.2	>99	---
Requirement		---				
Basis of judgement		---				
Conclusion		---				
Remark		---				


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Determining resistance to fungi

Test Method:GB/T 39104.2-2020

Instrumentation:

Temperature incubator

Electronic scales

Pressure steam sterilizer

Test Result(s):

Control fabric	Pure cotton fabric without any treatment	
Test method	Absorption method	
Test strains:	Trichophyton mentagrophytes ATCC 9533	Trichophyton rubrum BNCC 313807
Bacteria concentration(CFU/mL)	2.1×10^5	2.0×10^5
The number of bacteria recovered from the inoculated control immediate culture (CFU/sample)	4.0×10^4	3.6×10^4
The number of bacteria recovered from the inoculated control after 48 hours of culture (CFU/sample)	4.0×10^6	4.6×10^6
The control sample growth value F	2.0	2.1
The number of bacteria recovered from the inoculated test specimen immediate culture (CFU/sample)	4.0×10^4	3.6×10^4
The number of bacteria recovered from the inoculated test specimen after 48 hours of culture (CFU/sample)	3.0×10^4	3.2×10^4
The test specimen growth value G:	-0.1	-0.1
Bacteriostatic valueA (A=F-G)	2.1	2.2



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Test strains:	Trichophyton mentagrophytes ATCC 9533	Trichophyton rubrum BNCC 313807
Reduction (%)	99.25	99.30
The evaluation of antimicrobial activity:	Medium antifungal (bacteriostatic value $2 \leq A < 3$)	Medium antifungal (bacteriostatic value $2 \leq A < 3$)

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—End of Report—

Note

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