Test Report

ASH23-0030384-04 **Date:** 2023-08-02

Client Name: Nantong Qiumi Textile Co., LTD

Client Address: Lianlun cloth, No.73, Jinsi Road, Tongzhou District, Nantong City, Jiangsu Province

Sample Name:	bamboo pulp fiber
Sample Batch No.:	/
Production Date:	2023-7-20
Manufacturer:	Nantong Qiumi Textile Co., LTD
Sample other information:	Sample Main Component：100%New regenerated cellu lose fiber(bamboo pulp fiber)

Above information and sample(s) was/were submitted and certified by the client, SGS quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

Date of Sample Received:	2023-07-25
Testing Period:	2023-07-25 ~ 2023-08-02
Test Method(s):	Please refer to next page(s).
Test Results(s):	Please refer to next page(s).

检验检测专用章 Inspection & Testing Services

SGS Approved Signatory

scan to see the report

ASH23-0030384-04

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Test Report

ASH23-0030384-04 **Date:** 2023-08-02

Sample Description:

Sample No.	SGS Sample ID	Description
1	ASH23-0030384-0001	sample in bag

Test Result(s):

Test Requested: Selected test(s) as requested by applicant:Antimicrobial activity test

Test Method: GB/T 20944.3-2008 Textiles-Evaluation for antibacterial activity-Part 3: Flask-shaking method

ASH23-0030384-0001

Test organism(s)	Candida albicans ATCC10231	Escherichia coli ATCC25922
Concentration of inoculum (CFU/mL)	2.0×10^4	2.1×10^4
F	0.9	2.4
W_t (CFU/mL)	1.5×10^5	5.6×10^6
W_0 (CFU/mL)	2.0×10^4	2.1×10^4
Q_t (CFU/mL)	4.1×10^4	6.5×10^3
Antibacterial activity rate(%)	73	>99
Requirement of GB/T20944.3-2008	≥60%	≥70%
Comment	Pass	Pass

Test organism(s)	Staphylococcus aureus ATCC 6538
Concentration of inoculum (CFU/mL)	2.5×10^4
F	2.4
W_t (CFU/mL)	6.2×10^6
W_0 (CFU/mL)	2.5×10^4
Q_t (CFU/mL)	4.2×10^5
Antibacterial activity rate(%)	93
Requirement of GB/T20944.3-2008	≥70%
Comment	Pass

Notes:

W_t： The number of bacteria obtained from the flask with the untreated control sample after 18 h contact incubation（CFU/mL）

W_0：The number of bacteria obtained from the flask with the untreated control sample affter 0 h contact incubation（CFU/mL）

F： The growth value on the control sample, $F = lgW_t - lgW_0$.

Q_t: The number of bacteria obtained from the flask with the antimicrobial-treated sample after 18 h incubation（CFU/mL）

The control sample was 100% cotton fabric, provided by SGS lab.

The sterilization method was autoclave sterilization(121℃, 15min).

Remark:

1.All the test results were copied from test report No. ASH23-0030384-02.

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2.Unless otherwise stated, the judgement of compliance in this report is based on whether the test result is within the specified limits or specifications with no account taken of the uncertainty.

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ASH23-0030384-04 **Date:** 2023-08-02

Sample Photo:



ASH23-0030384-0001

SGS authenticate the photo on original report only

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