

Test Report

Report No: ASH16-032512-01

Date: Aug 23 2016

Client name: SUZHOU ELIM MEDICAL TECHNOLOGY CO., LTD
 Client address: NO.999, PEISHE, BEILIAN, TONGLI TOWN, WUJIANG DISTRICT, SUZHOU, JIANGSU, CHINA
 Sample name: Disposable Curtain
 Sample Batch No.: 2016-06
 Product Date: /
 Manufacturer: SUZHOU ELIM MEDICAL TECHNOLOGY CO., LTD

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.

SGS Sample No.: ASH16-032512.001
 Date of sample received: Aug 15 2016
 Testing period: Aug 15 2016 ~ Aug 23 2016

TEST(S) REQUESTED:

Selected test(s) as requested by applicant
 Antibacterial Assessment for the submitted sample

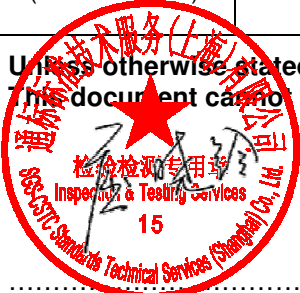
TEST METHOD(S) / TEST RESULT(S):

Please refer to the next page(s)

CONCLUSION(S):

Name of test bacteria (Strain number)	Antibacterial value:A	Efficacy of antibacterial property	Comment
<i>Escherichia coli</i> (ATCC 8739)	>6.5	Antibacterial value $2 \leq A < 3$, the efficacy of antibacterial property of the test fabric can be considered significant; Antibacterial activity $A \geq 3$, the efficacy of antibacterial property of the test fabric can be considered strong	Pass, the efficacy of antibacterial property of the test fabric can be considered strong
<i>Staphylococcus Aureus</i> (ATCC 6538)	>5.2		Pass, the efficacy of antibacterial property of the test fabric can be considered strong
<i>Candida Albicans</i> (ATCC 10231)	>4.1		Pass, the efficacy of antibacterial property of the test fabric can be considered strong

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This document cannot be used for publicity, without prior written approval of the SGS.



SGS Authorized Signature

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TEST METHOD:

ISO 20743:2013 Textiles-Determination of antibacterial activity of textile products: 8.1 Absorption method

TEST ORGANISMS:

Escherichia coli ATCC 8739, *Staphylococcus Aureus* ATCC 6538, *Candida Albicans* ATCC 10231

TEST RESULT(S):

Name of test bacteria (Strain number)	<i>Escherichia coli</i> (ATCC 8739)		<i>Staphylococcus Aureus</i> (ATCC 6538)		<i>Candida Albicans</i> (ATCC 10231)	
Concentration of inoculum (CFU/mL)	2.6 x10 ⁵		2.3 x10 ⁵		1.4 x10 ⁵	
Difference of extremes for the three control specimens(lg) (condition: less than 1)	0h	24h	0h	24h	0h	24h
	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Difference of extremes for the three antibacterial testing specimens(lg) (condition: less than 2)	0h	24h	0h	24h	0h	24h
	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
The growth value on the control sample F (F=lgC _t -lgC ₀)	+3.2 (lgC _t : +7.8 , lgC ₀ :+4.6)		+1.9 (lgC _t : +6.5 , lgC ₀ :+4.6)		+1.0 (lgC _t : +5.4 , lgC ₀ :+4.4)	
The growth value on the antimicrobial-treated sample G (G =lgT _t -lgT ₀)*	< -3.3 (lgT _t :<+ 1.3 , lgT ₀ : <+ 2.3)		< -3.3 (lgT _t :<+ 1.3 , lgT ₀ : <+ 2.3)		< -3.1 (lgT _t :<+ 1.3 , lgT ₀ : <+ 2.3)	
Antibacterial activity value (A=F-G)	>6.5		>5.2		>4.1	
Measuring method	Plate count method					
Sterilization method	Autoclave(121 °C/15')					
Incubation time	24h					

REMARK: The control sample is 100% cotton fabric, provided by SGS lab.

* In case of C₀> T₀, substitute C₀ for T₀.



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SAMPLE DESCRIPTION: 1bag sample in bag

ASH16-032512.001



*** End ***

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Testing Center Agency and Field Laboratory

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