

## Test Report

Report No: ASH17-025462-01

Date: Jun 27 2017

Client name: Suzhou Heaven Wind Environmental Technology Co.,Ltd  
 Client address: Qiushe Industrial Zone ,Tongli Town,Wujiang ,Suzhou City ,China  
 Sample name: Disposable Hospital Curtain (pacific blue )  
 Sample Batch No.: NO.21  
 Product Date: 20170510  
 Manufacturer: Suzhou Heaven Wind Environmental 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.: ASH17-025462.001  
 SGS reference No.: NJAFNG170600710  
 Date of sample received: Jun 17 2017  
 Testing period: Jun 17 2017~ Jun 27 2017

### 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>Staphylococcus Aureus</i> (ATCC 6538)	>5.4	Antibacterial value $2 \leq A < 3$ , the efficacy of antibacterial property of the test fabric can be considered significant;	Pass, the efficacy of antibacterial property of the test fabric can be considered strong
<i>Escherichia coli</i> (ATCC 8739)	4.2	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

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## TEST METHOD:

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

## TEST ORGANISMS:

*Staphylococcus Aureus* ATCC 6538, *Escherichia coli* ATCC 8739

## TEST RESULT(S):

Name of test bacteria (Strain number)	<i>Staphylococcus Aureus</i> (ATCC 6538)		<i>Escherichia coli</i> (ATCC 8739)	
Concentration of inoculum (CFU/mL)	1.9x10 <sup>5</sup>		2.4x10 <sup>5</sup>	
Difference of extremes for the three control specimens(lg) (condition: less than 1)	0h	24h	0h	24h
	< 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
	< 0.1	< 0.1	< 0.1	< 0.1
The growth value on the control sample F (F=lgC <sub>t</sub> -lgC <sub>0</sub> )	+2.2 (lgC <sub>t</sub> :+6.7 ,lgC <sub>0</sub> :+4.5)		+2.9 (lgC <sub>t</sub> :+ 7.6 ,lgC <sub>0</sub> :+4.7)	
The growth value on the antimicrobial-treated sample G (G =lgT <sub>t</sub> -lgT <sub>0</sub> )*	< -3.2 (lgT <sub>t</sub> :<+ 1.3 ,lgT <sub>0</sub> : <+ 3.9)		-1.3 (lgT <sub>t</sub> :+ 3.4 ,lgT <sub>0</sub> :+4.6)	
Antibacterial activity value (A=F-G)	>5.4		4.2	
Measuring method	Plate count method			
Sterilization method	Autoclave(121℃ , 15min)			
Incubation time	24h			

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

\* In case of C<sub>0</sub>> T<sub>0</sub>, substitute C<sub>0</sub> for T<sub>0</sub>.

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## Test Report

Report No: ASH17-025462-01

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SAMPLE DESCRIPTION: sample in bag



\*\*\* End \*\*\*

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Testing Center Agency of Shanghai Free-Trade Laboratory

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