

Report No:	ASH17-025150-01	Date: Jun 23 2017
		0 (Sanitized
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	/	
	/	
	/	
	white	
ier in %):	DOWN	
	100g	
	Sanitized T99-19	
	0.8%	
	TIDITTING	
fects	/	
	120℃, 3min	
	/	
	er in %):	100g Sanitized T99-19 0.8% TIDITTING fects /

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.

ASH17-025150.001
SL617062347716TX
2017-06-15
2017-06-15 ~ 2017-06-23

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

Please refer to the next page(s)

CONCLUSION:

Please refer to the next page(s)

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Test Report

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CONCLUSION:

According to the significance of evaluation from Sanitized AG fallowing Log reduction / percentage results is valuated as good result:

 Log
 %

 Original
 >= 1
 >= 90

 Washed
 >= 0.6
 >=70

Pass, The Bacteriostatic activity against *Staphylococcus aureus* is >5.4 / >99.9%, the submitted sample is valuated as good result.

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Test Report

Report No: ASH17-025150-01

Date: Jun 23 2017

TEST(S) REQUESTED:

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

TEST METHOD:

Antibacterial Assessment: JIS L 1902:2015 Textiles-Determination of antibacterial activity and efficacy of textile products Chapter 8.1: Quantitative test (Absorption method)

TEST ORGANISMS:

Staphylococcus aureus ATCC 6538

TEST RESULT(S):

Antibacterial Assessment

Name of test bacteria (Strain number)	Staphylococcus Aureus (ATCC 6538)	
Concentration of inoculum (CFU/mL)	2.8×10 ⁵	
Difference of extremes for three control specimens(log)	0h	18h
(condition: less than 1)	<0.1	<0.1
Difference of extremes for three test specimens(log)	0h	18h
(condition: less than 2)	<0.1	<0.1
Growth value of F of control specimens	+2.0 (logCt:+6.7 logC ₀ :+4.7)	
$(F=logC_t-logC_0)$		
Growth value of G of test specimens	<-3.4 (logT _t :<+ 1.3 , logT ₀ :+4.6)	
(G=logT _t -logT ₀)*		
Antibacterial activity value / In percent* (A=F-G) / (%)**	>5.4 / >99.9	
Measuring method	Plate count method	
Sterilization method	Autoclave(121 °C/15min)	

REMARK:

* In the case of $logC_0 > logT_0$, substitute $logC_0$ for $logT_0$.

*The test result in percent is calculated according to the specified formula from Sanitized AG.

The control sample is 100% cotton standard fabric specified by JIS L 1902:2015, provided by SGS lab. A: antibacterial activity value

logCt: common logarithm of arithmetic average of the numbers of bacteria, obtained from three control specimens after 18h.

logC₀: common logarithm of arithmetic average of the numbers of bacteria, obtained from three control specimens immediately after 0h.

logT_t common logarithm of arithmetic average of the numbers of bacteria, obtained from three test specimens after 18h.

log T₀: common logarithm of arithmetic average of the numbers of bacteria, obtained from three test specimens immediately after 0h.



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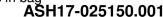


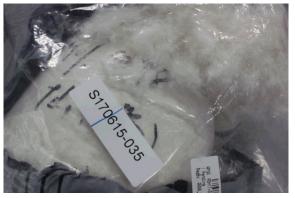
Test Report

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SAMPLE DESCRIPTION: sample in bag ASH17-025150.001





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