



Test Report No. F690101/LF-CTSAYSA14-23540R1

Issued Date: 2014. 11. 13

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Microclean Superfaser GmbH
Bodemgasse 9
6020 Innsbruck
Austria

The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No. : AYS14-23540R1
Sample Description : One sample of 80 % polyester 20 % nylon knit fabric
Color : Grey
Style no./Item no. : DMS-61114
Order No. : N/A
Country of Origin : KOREA
Country of Destination : N/A
Proposed care Instruction : Machine wash 30°C line dry
Received Date : 2014. 10. 27
Test Period : 2014. 10. 28 to 2014. 11. 13
Purpose of Test Report : For Reference
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).
Supersede/Referral : This test report supersedes previous report number, "F690101/LF-CTSAYSA14-23540" issued by SGS Korea.
Result summary : Selected test(s) as requested by client

SGS Korea Co., Ltd.

Stephen Min / Technical Manager

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Assessment of Antibacterial Activity (After 5th Washing)

Test Method: Reference: ISO 20743-2007

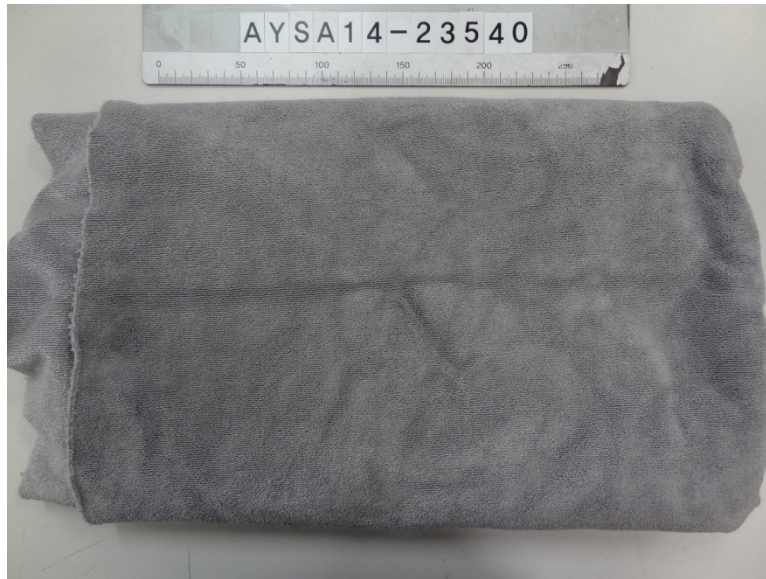
Name of test bacteria (strain number)	<i>Staphylococcus aureus</i> (ATCC 6538)		<i>Klebsiella pneumoniae</i> (ATCC 4352)	
	Concentration of inoculum (CFU/ml)	2.8 × 10 ⁵		2.9 × 10 ⁵
Difference of extremes for three control fabrics (lg)	0 h	20 h	0 h	20 h
	0.0	0.1	0.0	0.1
Growth value of F (F = lg C _t – lg C ₀)	3.4		3.5	
	(lg C _t :8.9 , lg C ₀ : 5.4)		(lg C _t :8.9 , lg C ₀ :5.4)	
Growth value of G (G = lg T _t – lg T ₀)	-3.4		-2.3	
	(lg T _t :2.1, lg T ₀ :5.5)		(lg T _t :3.1, lg T ₀ :5.5)	
Antibacterial activity value (A = F – G)	6.8		5.8	
Measuring method	Plate Count Method			
Type of sample material	(insert by damin.)			
Sterilization method	Autoclave			
Incubation time	20 h			
% reduction (% = [(T ₀ – T _t) / T ₀] X 100)	99.95		99.52	

<Remark>

- 1) Sample Size : 0.4 ± 0.02 g
- 2) Inoculum Concentration :
 - Test Bacteria 1 : 2.7 × 10⁵ CFU/mL
 - Test Bacteria 2 : 3.5 × 10⁵ CFU/mL
- 3) Nonion Surfactant : SCDLP
- 4) Dilution Medium : Nutrient broth (BD)
- 5) Sterilization Method : Autoclave (121 °C , 15 min)

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Picture of Sample as Received :



*** End of Report ***

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