

Textile Laboratory

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Test Report	No: TX40146D /2	/2020 /LR Date: May 12, 2020 Page 1 of 2			
Chulin Universal Trading 7F, No.43, Ming Sheng E Taipei, Taiwan, R.O.C.					
The following sample wa	s submitted and	d identified by applicant as:			
Sample Description	:	One sample of 3W001A3 non woven fabric			
Color	:	White			
Fiber Content	:	100% PP (Polypropylene)			
Applicant	:	Chulin Universal Trading Inc.			
Sample Receiving Date	; :	Apr. 06, 2020			
Test Performance Perio	id :	Apr. 06, 2020 to Apr. 29, 2020			
Client's Provided Care I	Label :	⊠ ് © ⊴ ⊗			
Test Performed	:	Selected test(s) as requested by applicant.			
Test Results	:	For further details, please refer to the following page(s).			
Remark: Test results have been taken from report number TX40146B/2020/I R Date: Apr 29					

Remark: Test results have been taken from report number TX40146B/2020/LR, Date: Apr. 29, 2020



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Test Results:

Determining the Antimicrobial Activity of Immobilized Antimicrobial Agents under Dynamic Contact Conditions (ASTM E2149 - 13)

Bacteria: Escherichia coli ATCC 25922 After 50 washes*

Test Organism: Test Group	(CFU/ml)	REDUCTION (R%)
Inoculum at 0 Hr	2.0 × 10 ⁵	
Inoculum at 24 Hr (B)	6.8 × 10 ⁶	99.9
Untreated test after 24 Hr (C)		
Treated test after 24 Hr (A)	3.6 × 10 ³	

Bacteria: Klebsiella pneumoniae ATCC 4352 After 50 washes*

Test Organism: Test Group	(CFU/mI)	REDUCTION (R%)		
Inoculum at 0 Hr	1.6 × 10⁵			
Inoculum at 24 Hr (B)	3.7 × 10 ⁶	99.8		
Untreated test after 24 Hr (C)				
Treated test after 24 Hr (A)	6.9 × 10 ³			

Bacteria: Pseudomonas aeruginosa ATCC 9027 After 50 washes*

		DEDUCTION
Test Organism: Test Group	(CFU/mI)	<u>REDUCTION</u> (R%)
Inoculum at 0 Hr	2.2 × 10 ⁵	_
Inoculum at 24 Hr (B)	9.4×10^{6}	99.2
Untreated test after 24 Hr (C)		
Treated test after 24 Hr (A)	7.4 × 10 ⁴	

A:CFU/mL for the flask containing the treated substrate after the specified contact time B:CFU/mL for the "inoculum only" flask after the specified contact time C:CFU/mL for the flask containing the untreated substrate after the specified contact time R%= ((B-A) /B) × 100 %

Remark: Blank sample C was not available from the client.

*Washing condition: AATCC 135 2018 Option 1 - (1)IIA - Machine wash at 80±5°F

- using 1993 AATCC Standard Reference Detergent
 - normal cycle tumble dry low 50 cycles

Above test items were tested by relevant SGS laboratory.

*** End of Report ***

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