

TEST REPORT



APPLICANT : DEER'S M co.,LTD

REPORT NO. : M287-20-01167

SAMPLE RECEIVED DATE : 2020-03-25

REPORT ISSUED DATE : 2020-04-14

PAGE : 1 OF 6

DESCRIPTION : ONE(1) PIECE OF SUBMITTED SAMPEL SAID TO BE FILM.

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ITEM : Deers antimicrobial film

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TEST CONDUCTED : AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGES.

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PREPARED AND CHECKED BY
FOR FITI



HAK JOO LEE
QUALITY MANAGER

AUTHORIZED BY
FOR FITI



JE-GOO JUN
PRESIDENT

※ Report Verification No.: VNWM-VBYY-5T4D ※

(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)

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01. ANTIMICROBIAL ACTIVITY AND EFFICACY (JIS Z 2801 : 2010, FILM-CONTACT METHOD)
: CFU/cm², VALUE OF ANTIMICROBIAL ACTIVITY : log

		BLANK	#1
BACTERIA-1	AT BEGINNING	1.4 x 10 ⁴	1.4 x 10 ⁴
	AFTER 24 h	2.4 x 10 ⁴	< 0.63
	VALUE OF ANTI-MICROBIAL ACTIVITY	-	4.5 (99.9 %) ^{NOTE1)}
BACTERIA-2	AT BEGINNING	1.7 x 10 ⁴	1.7 x 10 ⁴
	AFTER 24 h	1.1 x 10 ⁶	< 0.63
	VALUE OF ANTI-MICROBIAL ACTIVITY	-	6.2 (99.9 %) ^{NOTE1)}
BACTERIA-3	AT BEGINNING	1.6 x 10 ⁴	1.6 x 10 ⁴
	AFTER 24 h	2.8 x 10 ⁵	1.0 x 10 ²
	VALUE OF ANTI-MICROBIAL ACTIVITY	-	3.4 (99.9 %) ^{NOTE1)}
BACTERIA-4	AT BEGINNING	1.4 x 10 ⁴	1.4 x 10 ⁴
	AFTER 24 h	3.2 x 10 ⁵	< 0.63
	VALUE OF ANTI-MICROBIAL ACTIVITY	-	5.7 (99.9 %) ^{NOTE1)}

- NOTE) 1. THE PRACTICAL UNIT OF log WAS EXPRESSED TOGETHER WITH % BY CLIENT'S REQUEST.
 $\% = (1 - 10^{-(\text{Log}_{10} \text{reduction})}) \times 100$
2. STANDARD FILM : STOMACHER® 400 POLY-BAG
3. TEST CONDITION : THE SOLUTION ARE FIXED AT (35 ± 1) °C, 90 % R.H. FOR 24 h,
 AND DETERMINE BACTERIA CELL GROWTH INHIBITION RATE BY
 POUR AGAR PLATE METHOD.
4. ANTIMICROBIAL EFFICACY : THE VALUE OF ANTIMICROBIAL ACTIVITY
 SHALL NOT BE LESS THAN 2.0 log
5. TEST BACTERIA : BACTERIA-1 - *Staphylococcus aureus* ATCC 6538P
 BACTERIA-2 - *Escherichia coli* ATCC 8739
 BACTERIA-3 - *Klebsiella pneumoniae* ATCC 4352
 BACTERIA-4 - *Salmonella typhimurium* KCTC 1925
6. SEE ATTACHED PHOTOS.

**** End of The Report ****

**** SAMPLE PHOTO ****



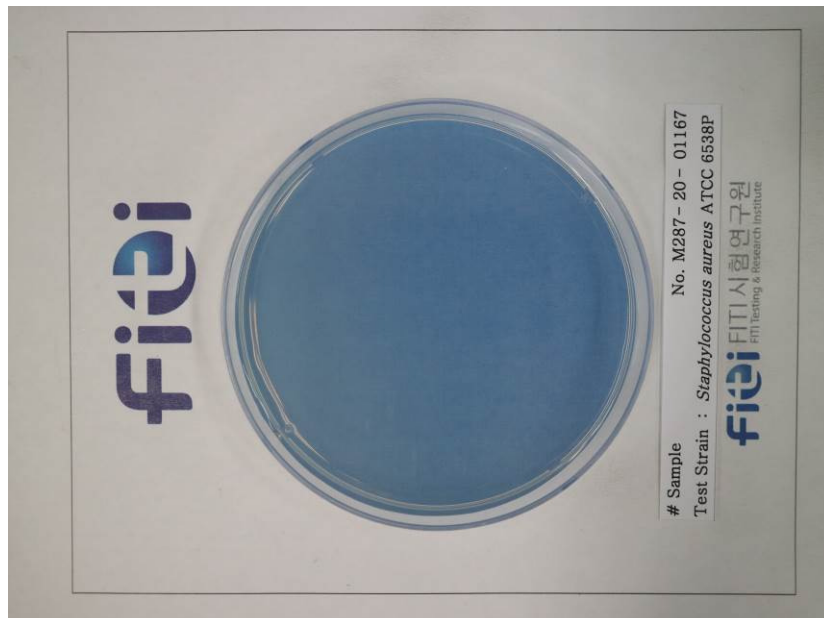
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- ANTIBACTERIAL ACTIVITY OF TEXTILES PHOTO : BACTERIA-1 : BLANK -



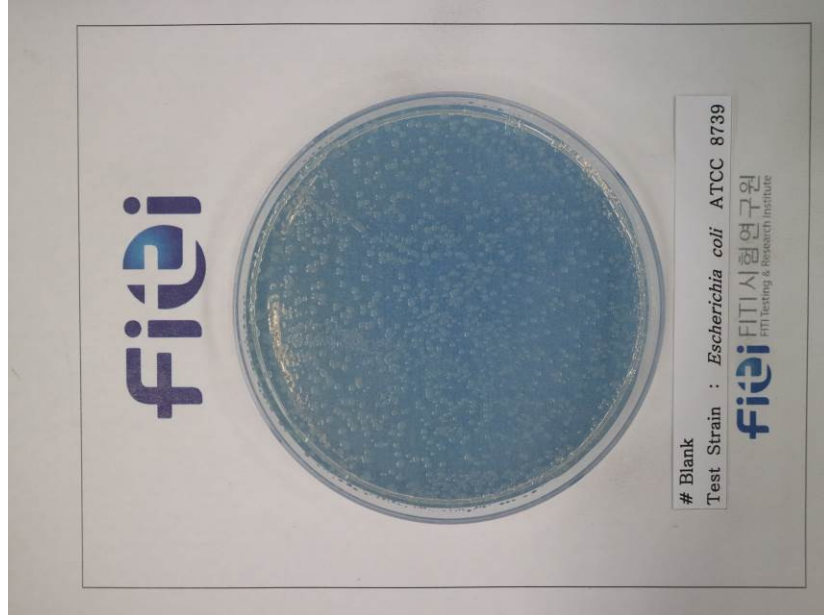
- ANTIBACTERIAL ACTIVITY OF TEXTILES PHOTO : BACTERIA-1 : #1 -



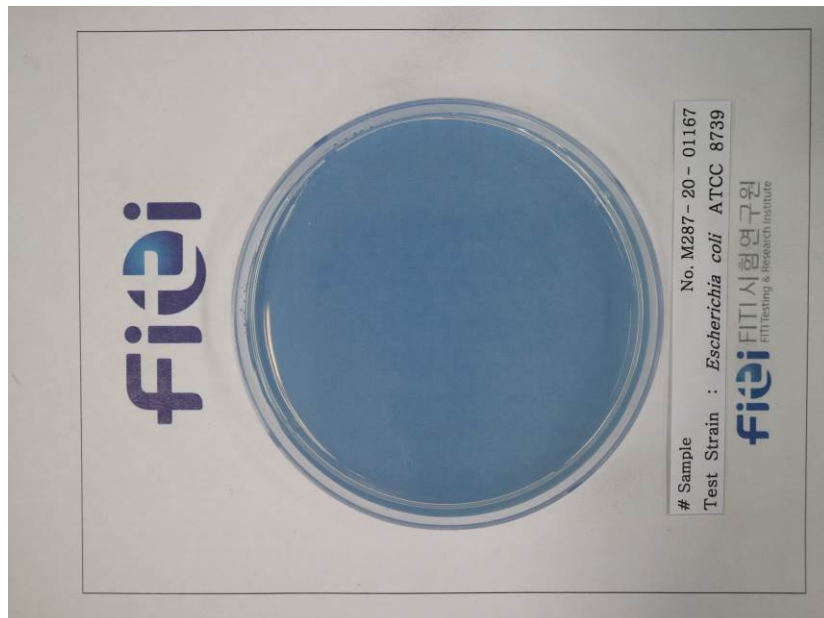
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- ANTIBACTERIAL ACTIVITY OF TEXTILES PHOTO : BACTERIA-2 : #1 -



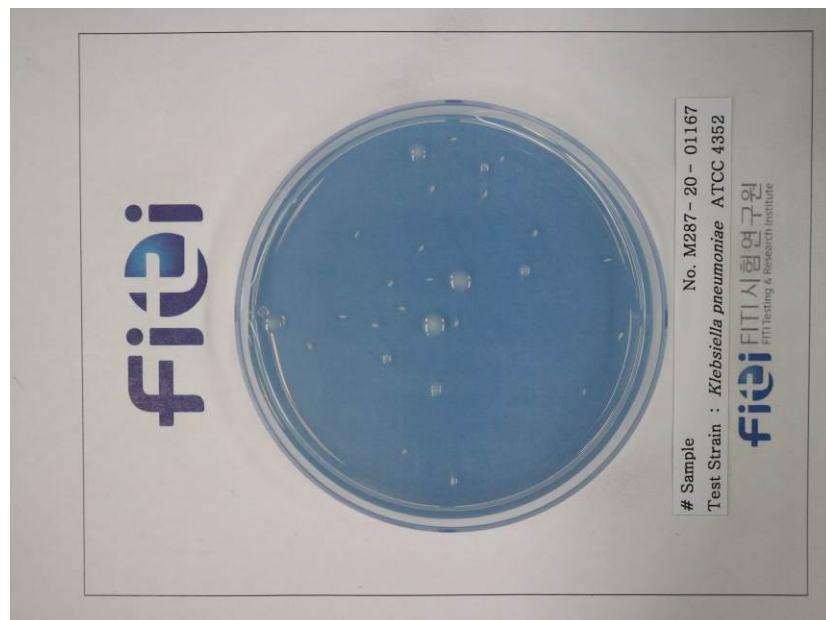
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- ANTIBACTERIAL ACTIVITY OF TEXTILES PHOTO : BACTERIA-3 : BLANK -



- ANTIBACTERIAL ACTIVITY OF TEXTILES PHOTO : BACTERIA-3 : #1 -



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- ANTIBACTERIAL ACTIVITY OF TEXTILES PHOTO : BACTERIA-4 : BLANK -



- ANTIBACTERIAL ACTIVITY OF TEXTILES PHOTO : BACTERIA-4 : #1 -



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