

TEST REPORT



APPLICANT : ALKENZ CO., LTD.

REPORT NO. : B270-20-01841

SAMPLE RECEIVED DATE : 2020-05-20

TEST STARTED DATE : 2020-05-20

REPORT ISSUED DATE : 2020-06-12

PAGE : 1 OF 4

DESCRIPTION : ONE(1) PIECE(S) OF SUBMITTED CUTTING SAID TO BE FABRIC.

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ITEM : SUNSHADOW (Opulence)

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

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PREPARED AND CHECKED BY
FOR FITI

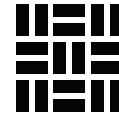


YOUNG MIN, JEON
QUALITY MANAGER

AUTHORIZED BY
FOR FITI



JE-GOO JUN
PRESIDENT



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01. ACTIVITY OF INCORPORATED ANTIMICROBIAL AGENT(S) IN POLYMERIC OR HYDROPHOBIC MATERIALS (ASTM E2180 - 18) : CELLS/mL, PERCENT REDUCTION OF BACTERIA(%)

		BLANK	#1
BACTERIA 1	THE NUMBER OF BACTERIA AFTER 0 h	2.7 x 10 ⁶	-
	THE NUMBER OF BACTERIA AFTER 24 h	3.2 x 10 ⁶	4.8 x 10 ³
	PERCENT REDUCTION OF BACTERIA(%)	-	99.9
BACTERIA 2	THE NUMBER OF BACTERIA AFTER 0 h	2.7 x 10 ⁷	-
	THE NUMBER OF BACTERIA AFTER 24 h	3.5 x 10 ⁷	< 10
	PERCENT REDUCTION OF BACTERIA(%)	-	99.9

NOTE) TEST CONDITION

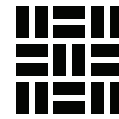
- SAMPLE SURFACE AREA : (3 x 3) cm²
 - INOCULUM VOLUME : 0.5 mL
 - NEUTRALIZING BROTH : 0.2 % POLYSORBATE 80
 - BACTERIA 1 : *Staphylococcus aureus* ATCC 6538
 - BACTERIA 2 : *Klebsiella pneumoniae* ATCC 4352
- SEE ATTACHED PHOTOS.

** End of The Report **

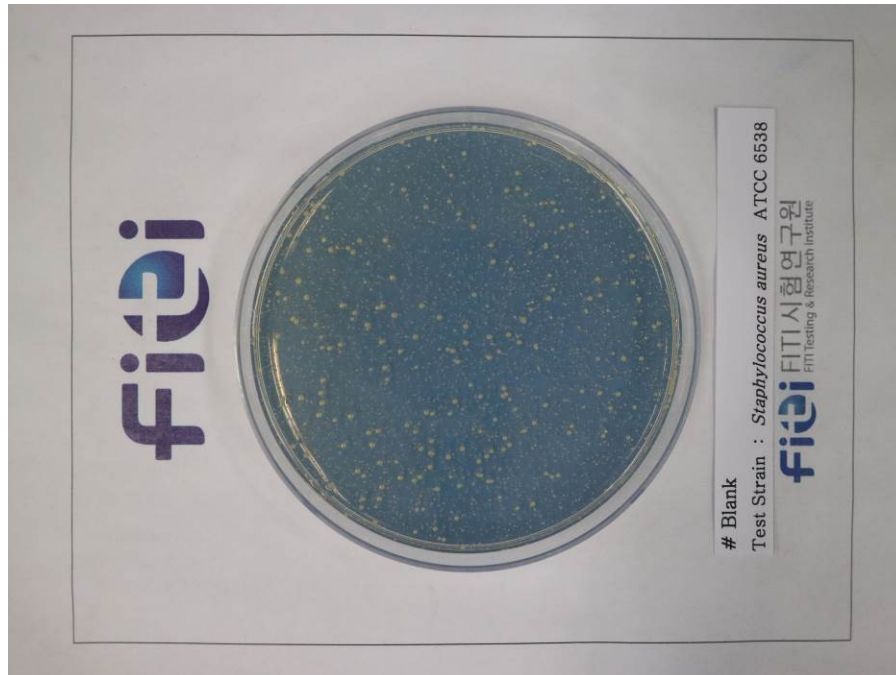
SAMPLE :

e-DOCUMENT SERVICE

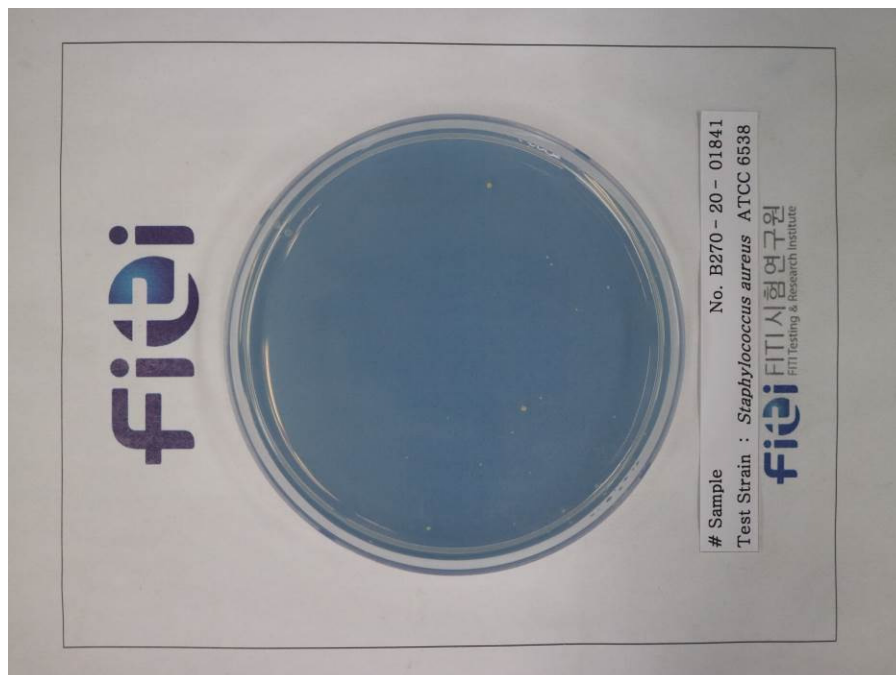
The test results contained in this report are limited to results on the sample(s) that is provided by client and are not necessarily indicative or representative of the qualities of the lot from which the sample(s) was taken or of all products. Results contained in this report are not based on the quality certification of sample by the FITI quality certification program unless specifically requested by the client. Further use of the results of this report is prohibited unless allowed under a separate agreement set forth in an official document that is established between the client identified on this letter and the FITI. This test report is irrelevant to KS Q ISO/IEC 17025 and KOLAS accreditation.

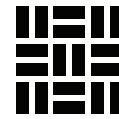


BACTERIA 1 : BLANK

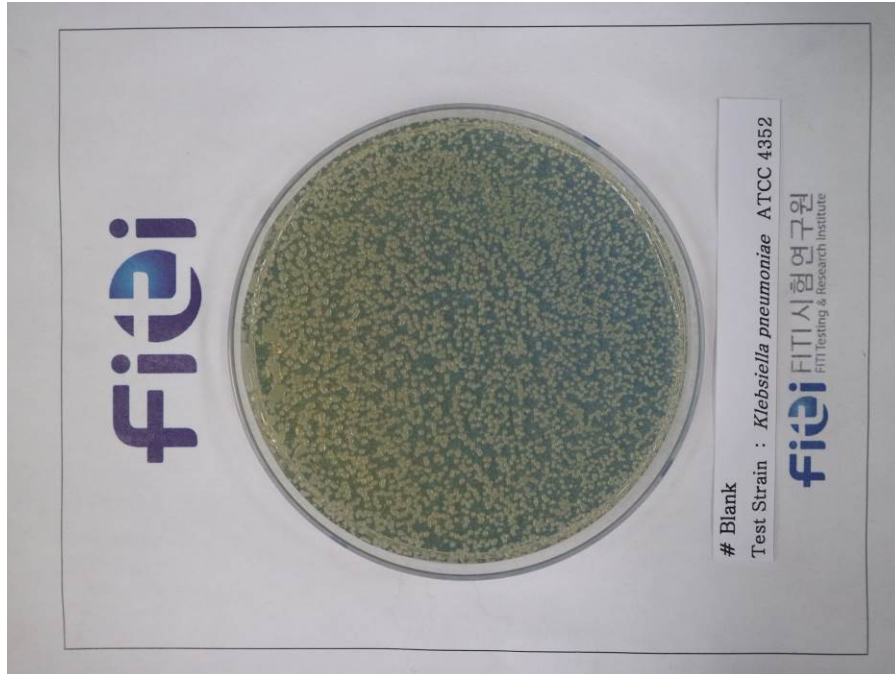


BACTERIA 1 : #1





BACTERIA 2 : BLANK



BACTERIA 2 : #1

