



(46752) 14, Jangang-daero, 248beon-gil, Dong-gu, Busan, Korea
Tel : 051-462-6402~4 Fax : 051-462-6900

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.

ITEM : SUNSHADOW

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

PREPARED AND CHECKED BY
FOR FITI

YOUNG MIN, JEON
QUALITY MANAGER

AUTHORIZED BY
FOR FITI

JE-GOO JUN
PRESIDENT

* Report Verification No.: BIWS-MK2K-X8M5 *
(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)

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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 samples 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 and falls in an official document that is established between the client identified on this letter and the FITI. This test report is intended to ISO 9001:2015 and KOLAS accreditation.



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

| | | BLANK | #1 |
|------------|-----------------------------------|-----------------------|-----------------------|
| BACTERIA 1 | THE NUMBER OF BACTERIA AFTER 0 h | 2.7 x 10 ⁸ | - |
| | THE NUMBER OF BACTERIA AFTER 24 h | 3.2 x 10 ⁸ | 4.8 x 10 ⁸ |
| | 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 :

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BACTERIA 1 : BLANK



BACTERIA 1 : #1



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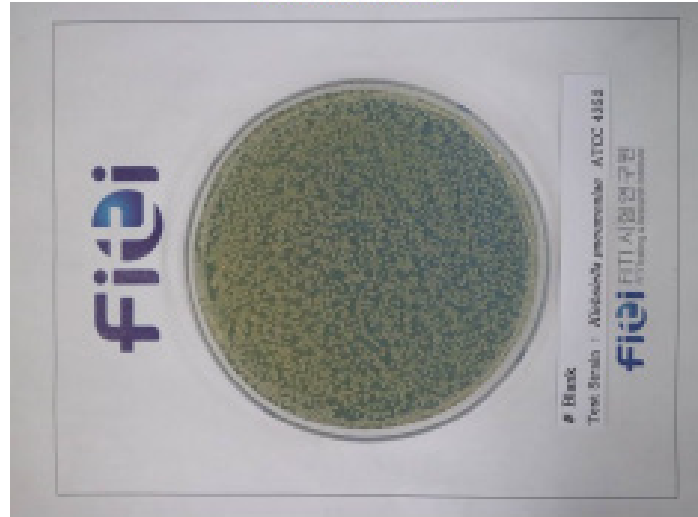
The test results contained in this report are limited to results on the sample(s) that is provided by client and are not necessarily indicative or representative of the quality of the lot from which the sample(s) was taken or of all products. Results contained in this report are not based on the quality or quantity of sample by the FITEI 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 and only in an official document that is established between the client identified on the label and the FITEI. This test report is subject to ISO 9001:2015 and KOLAS accreditation.



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BACTERIA 2 : BLANK



BACTERIA 2 : #1



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