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# KOREA FAR INFRARED ASSOCIATION

## KOREA INSTITUTE OF FAR INFRARED APPLIED ESTIMATION

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### CERTIFICATE OF TESTING RESULT

Serial No. of Issue : KFIA-166  
 Name of Applicant : KIM CHUN CHA [R&L CO., LTD]  
 Address of Applicant : (Soha-dong, 1110, 1111, 1112, 1113, 1116, 1117, 11Floor, Kwang Myung Ace High-End Tower) 108, Haan-ro, Kwangmyung-si, Gyeonggi-do, Korea  
 Date of Receipt : 5. 8. 2014  
 Name of Test Sample : BIOMAT 7000MX

### TEST RESULTS

Test Item	Sample	Early Conc. (CFU/ml)	After 18 hours (CFU/ml)	Reduction Rate Of Bacteria(%)
Antibacterial Test For <i>Staphylococcus aureus</i>	Control	$3.6 \times 10^4$	$2.4 \times 10^6$	—
	BIOMAT 7000MX		$< 2.0 \times 10^2$	99.9
Antibacterial Test For <i>Klebsiella pneumoniae</i>	Control	$2.8 \times 10^4$	$1.5 \times 10^6$	—
	BIOMAT 7000MX		$< 2.0 \times 10^2$	99.9

Note) 1) Control : KS K 0905 Standard adjacent fabrics for colour fastness test(Cotton)  
 2) The bacteria number on the petri dish was detected by multiplication of dilution rate. End.

- 1) Test Method : KS K 0693 : 2011
- 2) Name of Used bacteria  
*Staphylococcus aureus* ATCC 6538  
*Klebsiella pneumoniae* ATCC 4352
- 3) Refer to the Enclosed (2-1, 2-2)
- 4) Usage : Quality control

※ This certificate of testing result shall be used within the purpose of its defined usage.

5                  15                  2014  
 \_\_\_\_\_  
 month                  day                  year

Signed Choi T. S.

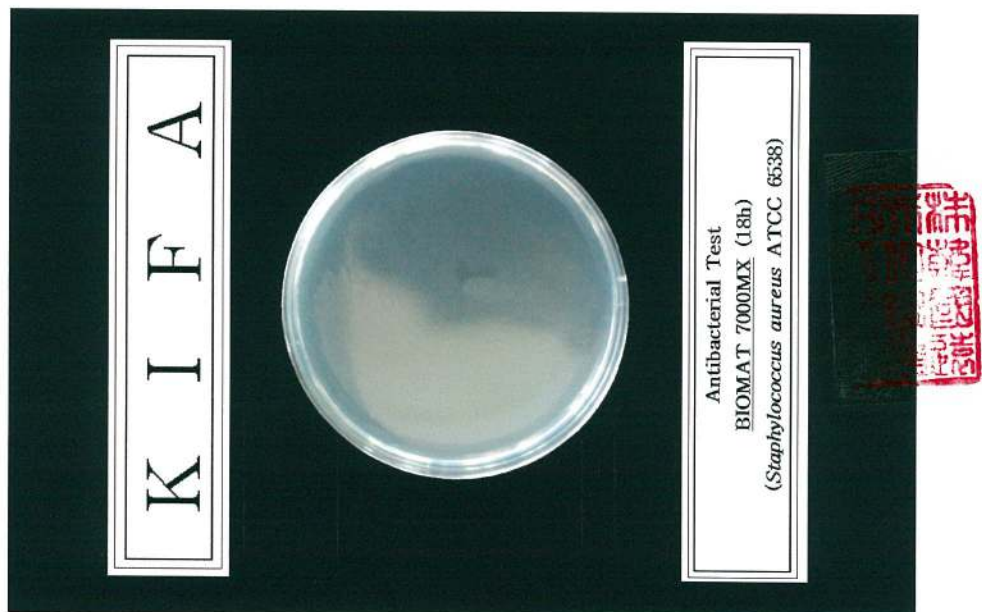
The director of Korea Institute of  
Far Infrared Applied Estimation

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<Fig. 1>



<Fig. 2>

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<Fig. 3>



<Fig. 4>