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# TEST REPORT

The following merchandise was submitted and identified by the client as;

Report No:	2014-0003	Receipt Date:	Oct.20.2014
Client:	BNK	Test Completion Date:	Nov.04.2014
Client' Sample:	27, Sinan 2-gil, Samnam-myeon, Ulju-gun, Ulsan, Korea		
	Specimen(#1)		

## TEST RESULTS

Test Item: Antibacterial Activity(JIS Z 2801:2006 Antibacterial products -- Test for antibacterial activity and efficacy): Number of Bacteria/cm<sup>2</sup>, Antibacterial Vitality: log, Bacteria Decreasing Rate: %

		Control	Sample
Strain 1	Initial microbial content	$2.1 \times 10^4$	$2.1 \times 10^4$
	After 24 hours	$3.9 \times 10^0$	< 1
	Antibacterial activity		6.0
	Bacterial decreasing rate		99.9
Strain 2	Initial microbial content	$1.5 \times 10^4$	$1.5 \times 10^4$
	After 24 hours	$3.9 \times 10^4$	$7.5 \times 10^{-1}$
	Antibacterial activity		4.62
	Bacterial decreasing rate		99.9

▪ Test condition – Sample 50 × 50 mm, 37± 1 °C, 24 hour

▪ Strain Species - Strain 1 : *Escherichia coli* ATCC 8739

Strain 2 : *Staphylococcus aureus* ATCC 6538

▪ Antibacterial Activity  $R = [\log(B/A) - \log(C/A)] = \log(B/C)$

A: Average viable cell count of Unprocessed Test Specimen right after injection

B: Average viable cell count of Unprocessed Test Specimen after 24 hours

C: Average viable cell count of Antibacterial Processed Test Specimen after 24 hours

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## KOREA MICROBE TESTING & RESEARCH



Note : 1. As this report results from samples and specimens the client requested, it does not guarantee the quality of the whole product.  
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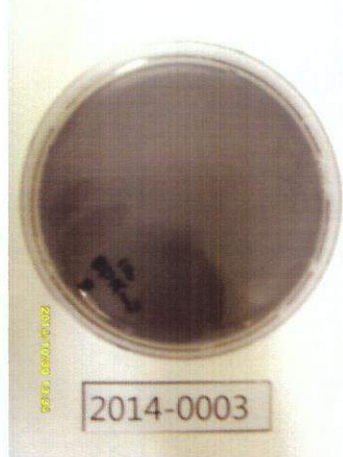


Specimen Figure:

Unprocessed Test Specimen(Blank): Strain 1



Antibacterial Processed Test Specimen(#1): Strain 1



Unprocessed Test Specimen(Blank): Strain 2



Antibacterial Processed Test Specimen(#1): Strain 2



-The End-

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