



# TEST REPORT

196, Aegibong-ro, Wolgot-myeon, Gimpo-si, Gyeonggi-do, 415-873 Rep. of KOREA  
TEL 82-31-999-3000 FAX 82-31-999-3001

Report No : TBH-000286  
Client : KWON, JI-YONG  
PPG-KOREA  
#128-7, Yong-dang-Dong, Nam-Gu, Busan, KOREA

Receipt Date : Feb.22.2013  
Test Completion Date : Mar.22.2013

Sample : P-7M10-2B

## TEST RESULTS

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Antibacterial test(E. coli)	-	A	1.0×10 <sup>5</sup> CFU/Specimen	By the client(JIS Z 2801 : 2006)
Antibacterial test(E. coli)	-	B	1.5×10 <sup>5</sup> CFU/Specimen	By the client(JIS Z 2801 : 2006)
Antibacterial test(E. coli)	-	C	<10 CFU/Specimen	By the client(JIS Z 2801 : 2006)
Antibacterial test(E. coli)	-	R	4.7	By the client(JIS Z 2801 : 2006)
Antibacterial test(S. aureus)	-	A	1.0×10 <sup>5</sup> CFU/Specimen	By the client(JIS Z 2801 : 2006)
Antibacterial test(S. aureus)	-	B	1.1×10 <sup>5</sup> CFU/Specimen	By the client(JIS Z 2801 : 2006)
Antibacterial test(S. aureus)	-	C	<10 CFU/Specimen	By the client(JIS Z 2801 : 2006)
Antibacterial test(S. aureus)	-	R	4.6	By the client(JIS Z 2801 : 2006)
Antibacterial test(p. aeruginosa)	-	A	1.5×10 <sup>5</sup> CFU/Specimen	By the client(JIS Z 2801 : 2006)
Antibacterial test(p. aeruginosa)	-	B	1.4×10 <sup>5</sup> CFU/Specimen	By the client(JIS Z 2801 : 2006)
Antibacterial test(p. aeruginosa)	-	C	<10 CFU/Specimen	By the client(JIS Z 2801 : 2006)
Antibacterial test(p. aeruginosa)	-	R	4.3	By the client(JIS Z 2801 : 2006)

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*Yoon Se-mi*

Prepared by Yoon Se-mi  
Tel: +82-31-999-3192  
E-mail: dbstp88@ktr.or.kr

*Kim Yoohyun*

Reviewed by Kim Yoohyun  
Technical Manager  
E-mail: yhk002@ktr.or.kr

Mar.22.2013

## Korea Testing & Research Institute

President





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TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
- Value of antimicrobial activity (R) = $[\log(B/A) - \log(C/A)] = \log(B/C)$ where, A: Average of the number of viable cells of bacteria immediately after inoculation on the untreated test piece B: Average of the number of viable cells of bacteria on the untreated test piece after 24h C: Average of the number of viable cells of bacteria on the antimicrobial test piece after 24h				
- Test strain : Escherichia coil ATCC 8739 Staphylococcus aureus ATCC 6538p Pseudomonas aeruginosa ATCC 15522				
- Untreated test piece and film : Stomacher pouch				

Attachment : Test Report

USAGE : QUALITY CONTROL

NOTE : 1. The test results on this test report are only limited to the samples and sample names provided by the customer and KTR do not guarantee the quality of all products of the customer.  
2. This test report shall not be used for public relation, advertisement, lawsuit and any other purposes outside the scope of its defined usage.  
3. This test report includes the test result performed in accordance with the test method which is presented by client.

*Yoon Se-mi*

Prepared by Yoon Se-mi  
Tel: +82-31-999-3192  
E-mail: dbstp188@ktr.or.kr

*Kim Yoohyun*

Reviewed by Kim Yoohyun  
Technical Manager  
E-mail: yhk002@ktr.or.kr

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