

TEST REPORT

1. No : CT13-10338

2. Client :

○ Name : ENERGY KOREA INC

○ Address : 1048-1, Yongjeong-Ri, Ganghwa-eup, Ganghwa-gun, Incheon, KOREA

○ Date of Receipt : Jan 16, 2013

○ Date of Issued : Feb 22, 2013

3. Use of Report : Quality Control

4. Test Sample : Infrared Radiant Heating Panels

5. Method :

(1) Client's requirement method
- Reissuance (R1)

Date : Feb. 22, 2013

Affirmation	Tested By Name : Jang, Kye-Seung	JKS	Technical Manager Name : Kyung Hwan Yu	<i>K.H. Yu</i>
Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the qualities of the lot from which the sample was taken or of apparently identical or similar products.				

Korea Conformity Laboratories

President Song Jae Bin*Jae Bin Song*

Address : #805, 1' VALLEY Gunpo, 149, Gongdan-ro, Gunpo-si, Gyeonggi-do, 435-010, Korea

Result Inquiry : Building Materials Safety Center 82-31-389-9184



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6. Results of Testing(Inspection)

Test Items		Test Results			Test method
		Early Conc. (CFU/mL)	After 2 h Conc. (CFU/mL)	Reduction rate of bacteria(%)	
Antibacterial test for <i>Escherichia coli</i>	BLANK	1.5×10^4	1.5×10^4	—	Client's requirement method
	Infrared Radiant Heating Panels	1.5×10^4	< 10	99.9	
Antibacterial test for <i>Pseudomonas aeruginosa</i>	BLANK	1.9×10^4	1.9×10^4	—	
	Infrared Radiant Heating Panels	1.9×10^4	< 10	99.9	
Antibacterial test for <i>Staphylococcus aureus</i>	BLANK	1.3×10^4	1.3×10^4	—	
	Infrared Radiant Heating Panels	1.3×10^4	< 10	99.9	

※ CFU : Colony Forming Unit

※ Test strain : *Escherichia coli* ATCC 25922

Pseudomonas aeruginosa ATCC 15442

Staphylococcus aureus ATCC 6538

※ Sample : 5 cm × 5 cm

※ Client's requirement method

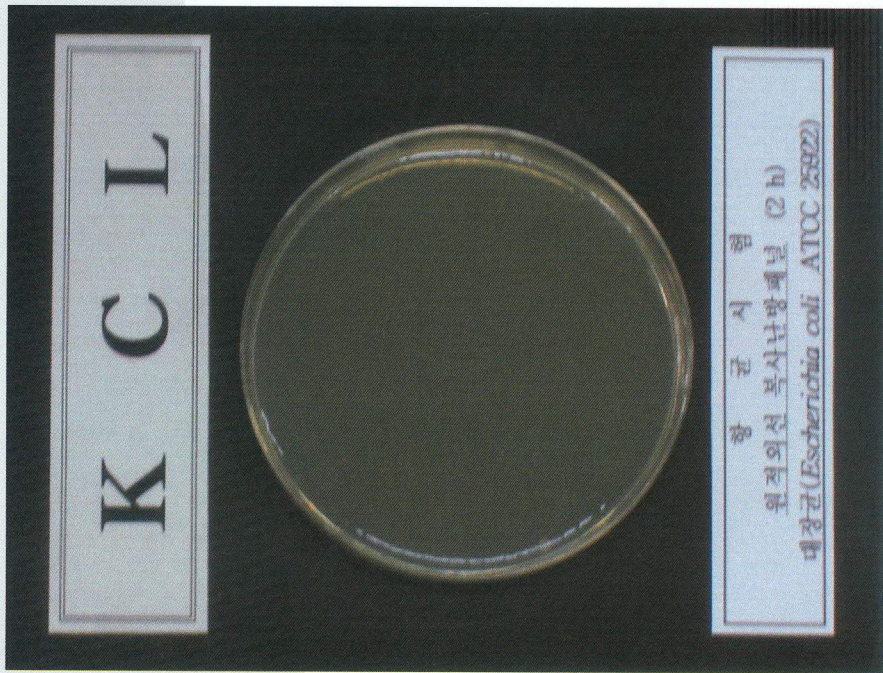
: After exposing the sample inoculated with the strain for 2 hours at a distance of 10 cm under fluorescence lamp, measure the reduction rate of bacteria.

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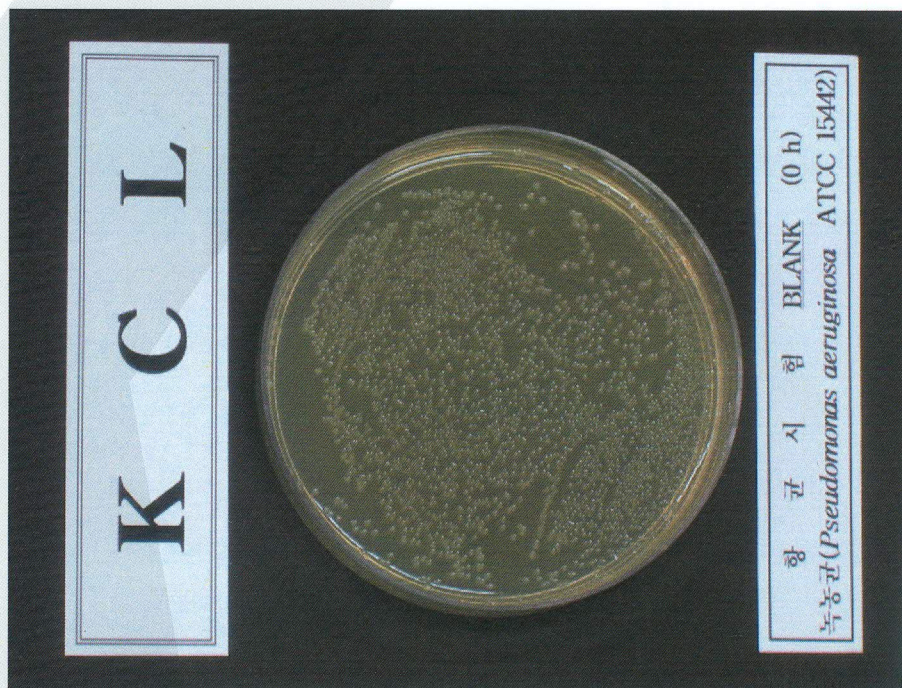
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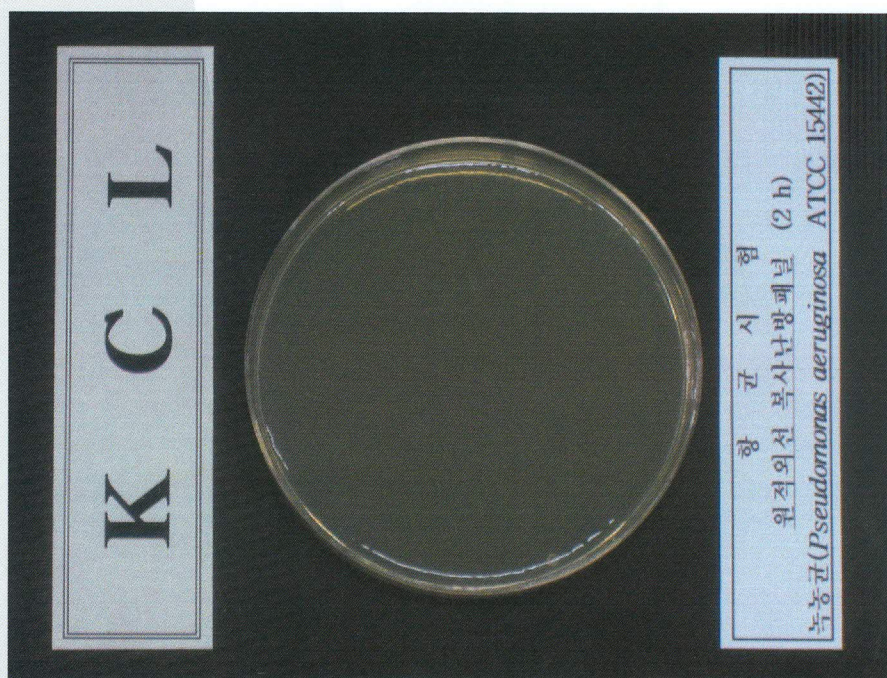
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<Picture 3>



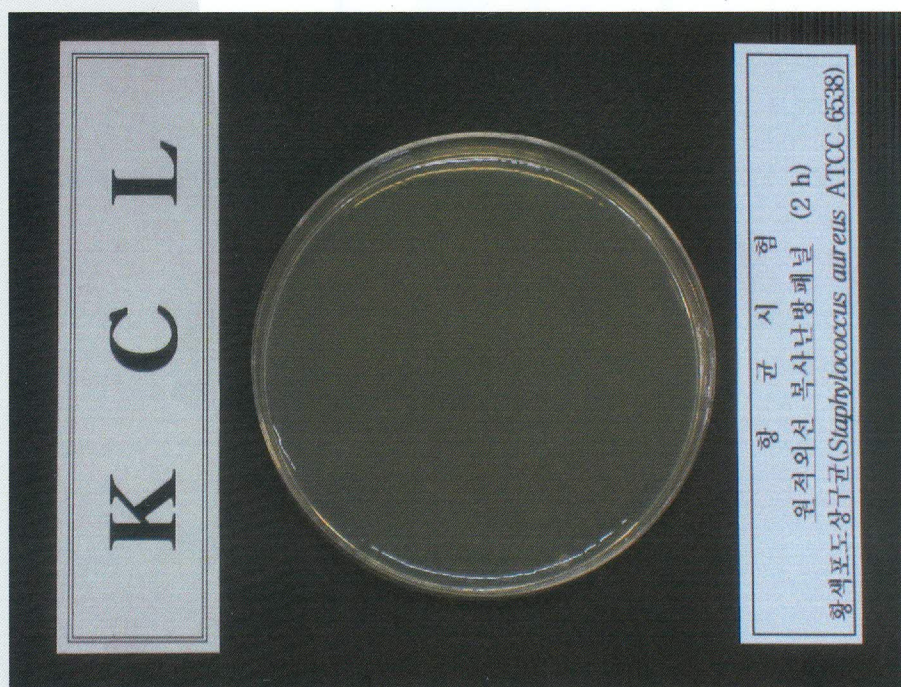
<Picture 4>

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<Picture 5>



<Picture 6>

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