



Test Report No. F690101/LF-CTSAYAA13-06124 Issued Date: February 08, 2013 Page 1 of 4

To: **JISUNGSOFT**
#815 Leaders B/D
342-1 Yatap-dong, Budang-gu
Seongnam-si
Gyeonggi-do
Korea

The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No. : AYAA13-06124
Product Name : EXSKINS-PROTECTION FILM
Item No./Part No. : SHOCK RESISTANCE FILM
Received Date : February 01, 2013
Test Period : February 04, 2013 to February 08, 2013
Test Performed : SGS Korea tested the sample(s) selected by applicant with following results
Test Result(s) : For further details, please refer to following page(s).

SGS Korea Co., Ltd.

Stephen Min / Lab Mgr

Taeun Chang
/Testing person

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Sample No. : AYAA13-06124.001
Sample Description : EXSKINS-PROTECTION FILM
Item / Part No. : SHOCK RESISTANCE FILM

Test result(s)

Antimicrobial Activity (JIS Z 2801:2000E)

Test microorganisms	Result(s)					
	Initial bacteria number (CFU/film)	Bacteria number after 24 hr at 37 °C		Antimicrobial activity		
		Control (CFU/film)	Sample (CFU/film)		R	Percentage (%)
<i>Escherichia coli</i> ATCC 8739	4.5 x 10 ⁵	8.8 x 10 ⁶	1st	< 25	5.5	> 99.9%
			2nd	< 25	5.5	> 99.9%
			3rd	< 25	5.5	> 99.9%
<i>Staphylococcus aureus</i> ATCC 6538P	2.2 x 10 ⁵	6.6 x 10 ⁵	1st	< 25	4.4	> 99.9%
			2nd	< 25	4.4	> 99.9%
			3rd	< 25	4.4	> 99.9%

Picture of Sample as Received :



- NOTE : 1) CFU: Colony forming unit
 2) R: Antibacterial activity rate
 3) Percentage: Antibacterial activity percentage

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- Antimicrobial Activity of Photo : Escherichia coli: Control -

- after 24 hr at 37°C-

Control 1st

2nd

3rd



- Antimicrobial Activity of Photo : Staphylococcus aureus : Control -

- after 24 hr at 37°C-

Control 1st

2nd

3rd



- Antimicrobial Activity of Photo : Escherichia coli: Sample -

- after 24 hr at 37°C-

Sample 1st

2nd

3rd



- Antimicrobial Activity of Photo : Staphylococcus aureus: Sample -

- after 24 hr at 37°C-

Sample 1st

2nd

3rd



*** End of Report ***