

# 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
Gyeonggido
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

tephen Kin

Taeeun Chang /Testing person



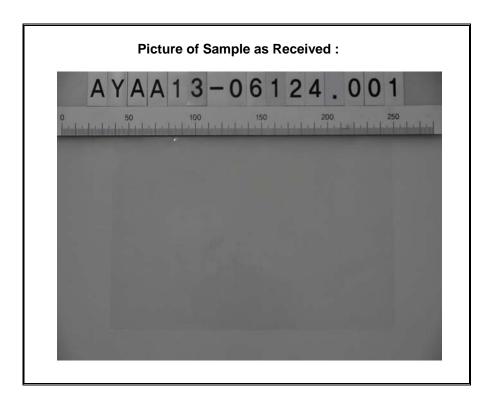
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**Sample No.** : AYAA13-06124.001

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 $^\circ\mathrm{C}$		Antimicrobial activity		
		Control (CFU/film)	Sample (CFU/film)		R	Percentage (%)
Escherichia coli ATCC 8739	4.5 x 10 <sup>5</sup>	8.8 x 10 <sup>6</sup>	1st	< 25	5.5	> 99.9%
			2nd	< 25	5.5	> 99.9%
			3rd	< 25	5.5	> 99.9%
Staphylococcus aureus ATCC 6538P	2.2 x 10 <sup>5</sup>	6.6 x 10⁵	1st	< 25	4.4	> 99.9%
			2nd	< 25	4.4	> 99.9%
			3rd	< 25	4.4	> 99.9%



NOTE: 1) CFU: Colony forming unit

2) R: Antibacterial activity rate

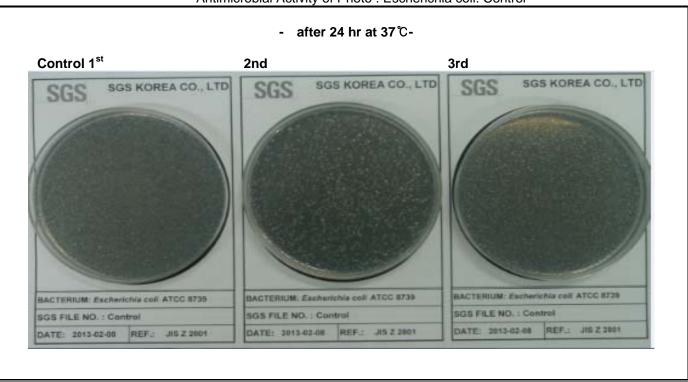
3) Percentage: Antibacterial activity percentage

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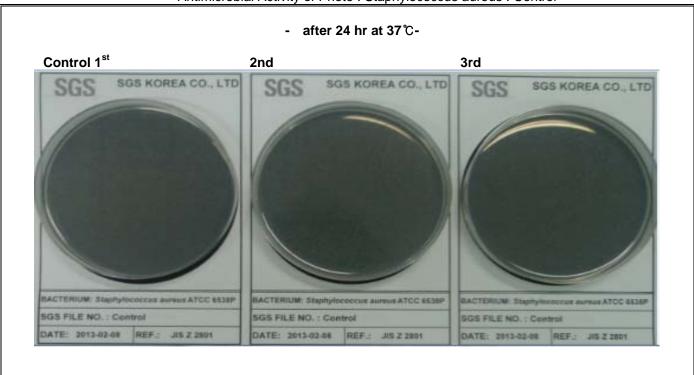


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- Antimicrobial Activity of Photo : Escherichia coli: Control -



- Antimicrobial Activity of Photo : Staphylococcus aureus : Control -

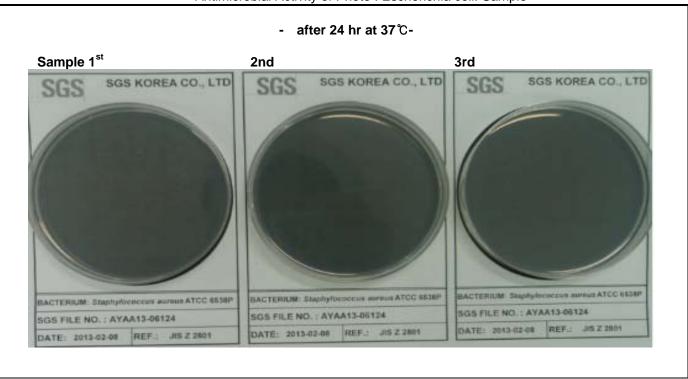


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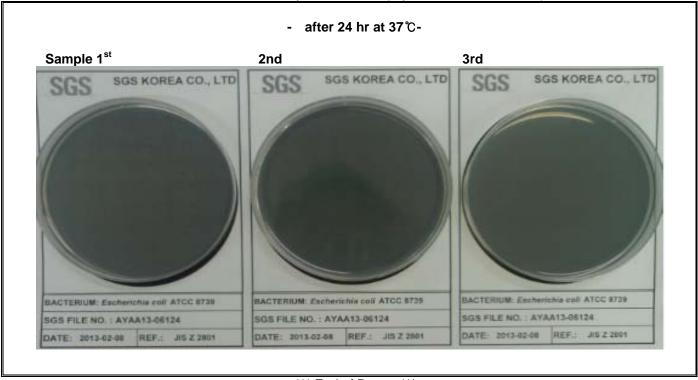


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- Antimicrobial Activity of Photo : Escherichia coli: Sample -



- Antimicrobial Activity of Photo : Staphylococcus aureus: Sample -



\*\*\* End of Report \*\*\*

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are relations and offenders may be prosecuted to the fullest extent of the law.