



Information on samples provided by customers is as follows.

This report is not in accordance with the Ministry of Food and Drug Safety's Act on Testing and Inspection in the Food and Drug Fields.

SGS file number	: AYFN21-13082
product name	: antibacterial interior film
SGS Ref. No	: AYHA21-04871
Test period	: 2021. 04. 15 ~ 2021. 04. 28
Use of test report	: for reference
Test items and results	: See the next chapter for detailed results.
note	: The test results are limited to the product and product name suggested by the sponsor, and there is no printed or handwritten label. This test report ISO/IEC 17025 Wow KOLAS These are test results that are not related to the field of accreditation. Determination of the authenticity of the transcript https://eecloud.sgs.com/index.aspx It is possible in This test report cannot be used for any purpose other than the test.

ConardLee

Technical Manager / SGS KOREA

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Test items and results

Antimicrobial Activity (JIS Z 2801:2010E)						
시험균	결과					
	접종균의 농도 (CFU/film)	대조편 (CFU/film)	샘플 (CFU/film)		항균활성	
					감소율 R	감소율 (%)
<i>Escherichia coli</i> ATCC 8739	2.4 × 10 ⁵	1.5 × 10 ⁷	1st	<1	7.2	>99.9%
			2nd	<1	7.2	>99.9%
			3rd	<1	7.2	>99.9%
<i>Staphylococcus aureus</i> ATCC 6538P	2.2 × 10 ⁵	3.7 × 10 ⁶	1st	2.5 × 10 ³	3.2	99.9%
			2nd	2.5 × 10 ³	3.2	99.9%
			3rd	2.3 × 10 ³	3.2	99.9%
<i>Klebsiella pneumoniae</i> ATCC 4352	3.1 × 10 ⁵	7.3 × 10 ⁶	1st	9.6 × 10 ²	3.9	>99.9%
			2nd	9.8 × 10 ²	3.9	>99.9%
			3rd	1.0 × 10 ³	3.9	>99.9%

<Remark>

One) Concentration of inoculum:

Escherichia coli : 2.4 × 10⁵ CFU/film

Staphylococcus aureus : 2.2 × 10⁵ CFU/film

Klebsiella pneumoniae : 2.5 × 10⁵ CFU/film

2) Test method: JIS Z-2801 methods- Pour plate method

3) Dilution medium: 1/500 Nutrient broth (BD)

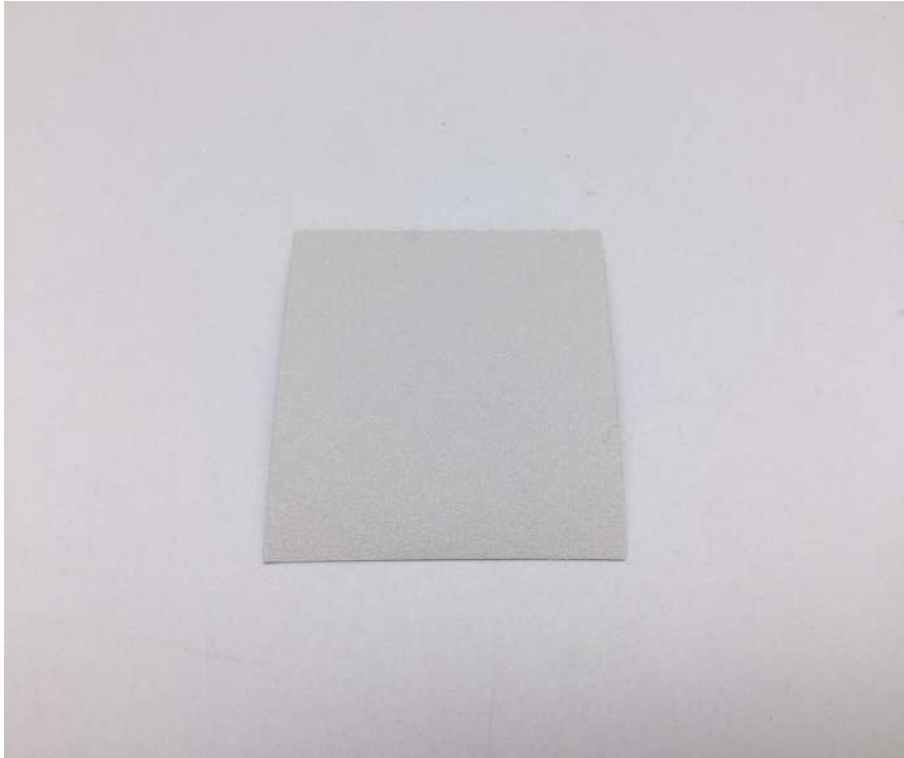
4) Inoculation: 35 °C, 24hour

5) Incubation: 35 °C, 48hour

6) Sample material: PVC

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Photos of samples received:



AYFN21-13082

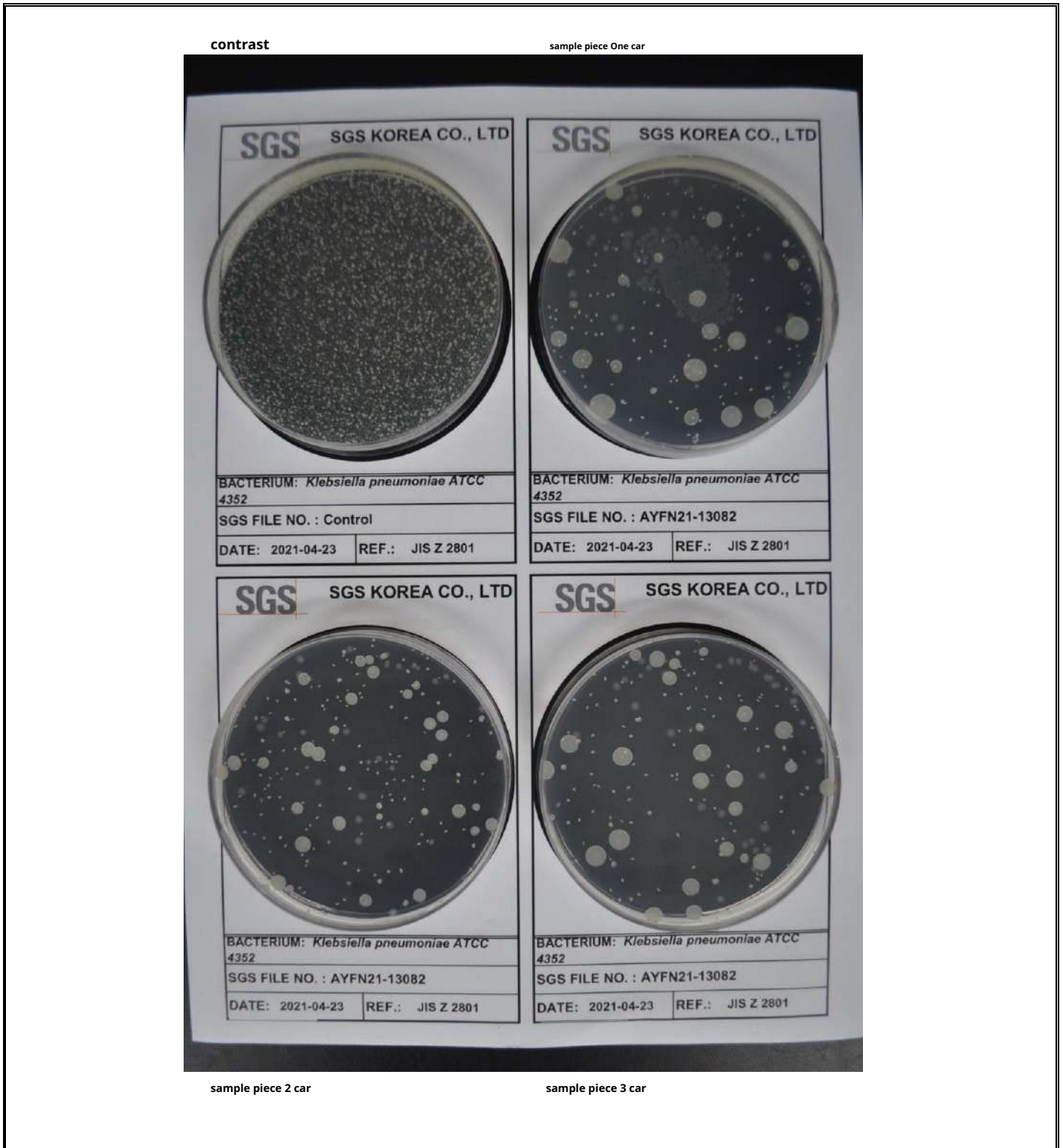
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- *Escherichia coli* Control and specimen culture pictures-



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- *Klebsiella pneumoniae* Control and specimen culture pictures-



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- *Staphylococcus aureus* Control and specimen culture pictures-



*** End of Report ***

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