



## Test Report

No. HKHC2110007963HC-01

Date :Oct 08, 2021

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AGGRECOAT ASIA PTE LTD

545 ORCHARD ROAD, #10-07 FAR EAST, SHOPPING CENTRE, 238882, Singapore

"This report supersedes all previous document bearing the test report number HKHC2110007963HC"

Job No. : HKHC210800002549

The following sample was submitted and identified by the client as AGGRECOATSILVER ACSI-HS9

Product Description : AGGRECOATSILVER ACSI-HS9  
Quantity Received : 1 bag  
Sample Appearance : Silver solid  
SGS Sample No. : HKHC210800002549-101  
Sample Receiving Condition : In unopened plastic bag under ambient condition  
Agent Name : AGGRECOAT ASIA PTE LTD  
Manufacturer / Supplier : AGGREBIND INC.  
Country of origin : USA  
Country of Destination : SINGAPORE  
Sample Receiving Date : Aug 16, 2021  
Testing Period : Aug 16, 2021 – Sep 30, 2021

### Test Requested, Test Method and Test Results

Please refer to the following page(s).

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Signed for and on behalf of  
SGS Hong Kong Ltd.

WONG KIN MAN, GILMAN  
TECHNICAL DEVELOPMENT MANAGER

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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 retained for 30 days only.





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### Test Requested, Test Method and Test Results

The analyses were performed with reference to ISO 22196:2011 Measurement of antibacterial activity on plastics and other non-porous surfaces and JIS Z 2801:2012 Antibacterial Products – Test for antibacterial activity and efficacy

Test bacteria : *Escherichia coli* ATCC 8739  
Standard film used : Yes  
Test conditions effectiveness (Remarks 2) : Yes  
Antibacterial Activity value of Test Sample : 4.0  
Requirement compliance of Test Sample : Pass

		Log
The number of inoculated bacteria in Untreated Control Sample (A)	1.70 x 10 <sup>5</sup>	5.2
The number of the bacteria in untreated control sample after 24h incubation (B)	1.04 x 10 <sup>7</sup>	6.0

Tested sample	Number of bacteria after 24h inoculation (C)	Log C	Log B - Log C
As received sample	100	2.0	4.0

**Comment** : When tested as specified, the submitted original sample **provides** effective antibacterial property based on the standard value of evaluation against *E. coli*

Antibacterial Activity Value (R)  $\geq$  2.0 (Log B- Log C).

- Remarks** :
- The standard value of evaluation against *E. coli*:  $\text{Log B} - \text{Log C} \geq 2.0$ .
  - The test conditions are judged as effective if:
    - $(L_{\max} - L_{\min}) / (L_{\text{mean}}) \leq 0.2$ , where  
 $L_{\max}$  is the common logarithm of the maximum number of viable bacteria found on a specimen  
 $L_{\min}$  is the common logarithm of the minimum number of viable bacteria found on a specimen  
 $L_{\text{mean}}$  is the common logarithm of the mean number of viable bacteria found on the specimens
    - The number of inoculated bacteria in untreated control sample shall be within the range of  $9.92 \times 10^4$  to  $4.00 \times 10^5$  cells
    - The number of the bacteria in untreated control sample after 24 incubation shall not be less than  $9.92 \times 10^3$  cells with standard film

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Sample Receiving Date : Aug 16, 2021

PHOTO APPENDIX



**HKHC210800002549-101**

SGS authenticate the photo on original report only

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

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