

**TEST REPORT: 7191262578-CHM21-01-RC\_CR1  
(re-issue dated: 09 JUL 2021)**

Date: 05 JUL 2021

Tel: +65 69736171

Client's Ref: -

Email: Randy.CHIN@tuvsud.com

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**SUBJECT**

Antibacterial Activity Evaluation

**CLIENT**

GSGC Pte Ltd  
13 Kaki Bukit Road 4  
#01-14 Bartley Biz Centre  
Singapore 417807

Attn : Victor Yong

**SAMPLE SUBMISSION DATE / TEST DATE**

01 Jun 2021 / 01 Jun 2021

**DESCRIPTION OF SAMPLE**

One sample of coated panels was submitted by the above company, as follows:

Product Description	GTG Viral Shield (120 days after coating application)
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**METHOD OF TEST**

JIS Z 2801:2010/A1:2012

“Antibacterial products – Test for antibacterial activity and efficacy”.

The test microorganisms used were :

*Staphylococcus aureus* (ATCC 6538P)  
*Escherichia coli* (ATCC 8739)

Size of Coated Sample: 5 cm x 5 cm  
Size of Uncoated Sample: 5 cm x 5 cm  
Size of film: 4 cm x 4 cm polyethylene film  
Volume of test inoculum : 0.2 ml



Laboratory:  
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**RESULTS**

Test microorganism (Bacterial cells inoculated per test piece)	Average of the number of viable cells of test microorganism per test piece		Value of Antibacterial Activity (Criteria : Not less than 2.0)
	0 hour	24 hours	
<i>Staphylococcus aureus</i> (ATCC 6538P)			
Uncoated Sample (Control)	130 000	280 000	-
GTG Viral Shield (120 days after coating application)	-	Less than 10	More than 4.45

Test microorganism (Bacterial cells inoculated per test piece)	Average of the number of viable cells of test microorganism per test piece		Value of Antibacterial Activity (Criteria : Not less than 2.0)
	0 hour	24 hours	
<i>Escherichia coli</i> (ATCC 8739)			
Uncoated Sample (Control)	120 000	860 000	-
GTG Viral Shield (120 days after coating application)	-	Less than 10	More than 4.93

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Amendments :

This report was amended from test report no.: 7191262578-CHM21-01-RC. The Product Description was amended from "GTG Viral Shield" to "GTG Viral Shield (120 days after coating application)" on 09 Jul 2021 by request of the Client.

Remarks :

The above test results relate to the samples as received.

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**MS CHUA XINNI**  
HIGHER TECHNICAL  
EXECUTIVE

A handwritten signature in black ink, appearing to be 'JN' with a large loop.

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**MS JACLYN NG**  
MICROBIOLOGIST  
MICROBIOLOGY  
CHEMICAL & MATERIALS



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Effective 26 January 2021

