

TEST REPORT: 7191037118-CHM12-LYP

Date: 02 JUL 2012

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Client's Ref:

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SUBJECT

Antimicrobial Activity of Coated Panels

CLIENT

DD Solution (S) Pte Ltd
18 Boon Lay Way
#04-143, Tradehub 21
Singapore 609966

Attn : Jimmy Dai

SAMPLE SUBMISSION DATE/ TEST DATE

20 Jun 2012/ 25 Jun 2012

DESCRIPTION OF SAMPLE

12 pieces of Glass panel samples (Dimensions: 50mm x 50mm) coated with "DD Solution" were submitted.

METHOD OF TEST

JIS Z 2801 : 2000

"Antimicrobial products – Test for antimicrobial activity and efficacy".

The test microorganisms used were :

Escherichia coli (ATCC 8739)

Staphylococcus aureus (ATCC 6538P)



TÜV SÜD PSB

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TEST REPORT: 7191037118-CHM12-LYP
02 JUL 2012



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RESULTS

Test microorganism (Bacterial cells per test piece)	Average of the number of viable cells of test microorganism per test piece		Value of Antimicrobial Activity (Criteria : Not less than 2.0)
	0 hour	24 hours	
<i>Escherichia coli</i> (ATCC 8739) (3.0 x 10⁵ cells)			
Blank Polycarbonate Panel (Control)	340 000	110 000 000	-
Sample – Glass Panel coated with DD Solution	-	Less than 10	More than 7.04

Test microorganism (Bacterial cells per test piece)	Average of the number of viable cells of test microorganism per test piece		Value of Antimicrobial Activity (Criteria : Not less than 2.0)
	0 hour	24 hours	
<i>Staphylococcus aureus</i> (ATCC 6538P) (3.0 x 10⁵ cells)			
Blank Polycarbonate Panel (Control)	380 000	21 000 000	-
Sample – Glass Panel coated with DD Solution	-	3 300	3.80

TEST REPORT: 7191037118-CHM12-LYP

02 JUL 2012



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Note :

The value of Antimicrobial Activity was calculated as \log_{10} of average of the number of viable bacterial cells on the Blank Panel (Control) after 24 hours minus the \log_{10} of average of the number of viable bacterial cells on the Sample after 24 hours.

Remarks:

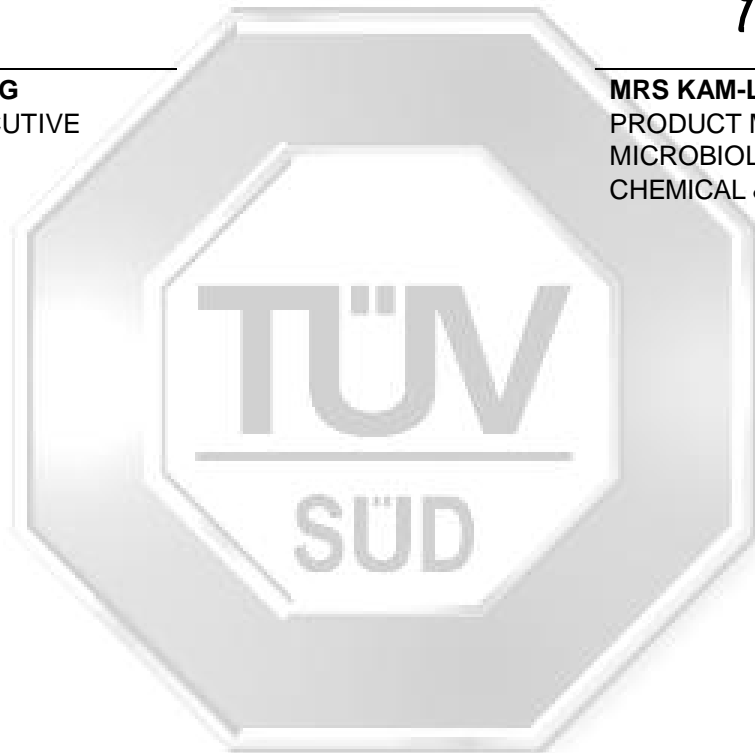
The above test results relate to the sample as received.

Handwritten signature of MS AW HWEE YING in black ink.

MS AW HWEE YING
TECHNICAL EXECUTIVE

Handwritten signature of MRS KAM-LEONG YIN PHENG in black ink.

MRS KAM-LEONG YIN PHENG
PRODUCT MANAGER
MICROBIOLOGY
CHEMICAL & MATERIALS



TEST REPORT: 7191037118-CHM12-LYP

02 JUL 2012



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July 2011

