

TEST REPORT: 7191068230-CHM13-LYP

Date: 29 AUG 2013

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SUBJECT

Antimicrobial Testing Evaluation

CLIENT

KCC Paints Sdn Bhd
Lot 13, Jalan Anggerik Mokara 31/54
Seksyen 13
Kota Kemuning
40460 Shah Alam, Selangor

Attn : Mr. Theng SS

SAMPLE SUBMISSION DATE/ TEST DATE

23 Jul 2013 / 13 Aug 2013

DESCRIPTION OF SAMPLE

2 sample consisting of 12 pieces of coated polycarbonate panels (Dimension: 50mm x 50mm) and 12 pieces of uncoated polycarbonate panels as follows:

1. Vinyl Fresh
2. Vinyl Glow

METHOD OF TEST

JIS Z 2801 : 2000

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

The test microorganisms used were :

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



TÜV SÜD PSB

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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 Antimicrobial Activity (Criteria : Not less than 2.0)
	0 hour	24 hours	
<i>Staphylococcus aureus</i> (ATCC 6538P) (1.2 x 10⁵ cells)			
Blank Polycarbonate Panel (Control)	59 000	12 000 000	-
Vinyl Fresh	-	Less than 10	More than 6.08
Vinyl Glow	-	Less than 10	More than 6.08

Test microorganism (Bacterial cells inoculated 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) (3.2 x 10⁵ cells)			
Blank Polycarbonate Panel (Control)	110 000	14 000 000	-
Vinyl Fresh	-	Less than 10	More than 6.15
Vinyl Glow	-	Less than 10	More than 6.15

Note :

The value of Antimicrobial Activity was calculated as log₁₀ of average of the number of viable bacterial cells on the Control after 24 hours minus the log₁₀ 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.

MS RANDY CHIN KOK FEI
MICROBIOLOGIST

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

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July 2011

