

TEST REPORT: 719184272-CHM10-LYP

Date: 20 SEP 2010

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SUBJECT

Bactericidal Activity Test

CLIENT

Vance Chemicals Pte Ltd
No. 24 Gul Lane
Singapore 629418

Attn : Luo Nathan

SAMPLE SUBMISSION DATE / TEST DATE

03 Sep 2010 / 09 Sep 2010

DESCRIPTION OF SAMPLE

One sample of disinfectant as follows:

Product Name
GK Concentrate

METHOD OF TEST

BS EN 1040 : 2005

"Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of basic bactericidal activity of chemical disinfectants and antiseptics – Test method and requirements (Phase 1)".

The test microorganisms used were :

Staphylococcus aureus (ATCC 6538)
Pseudomonas aeruginosa (ATCC 15442)



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LA-2007-0380-A
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LA-2007-0382-B
LA-2007-0383-G
LA-2007-0384-G
LA-2007-0385-E
LA-2007-0386-C

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TEST REPORT: 719184272-CHM10-LYP
20 SEP 2010



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RESULTS

Product Name : "GK Concentrate"

Test Microorganism : *Staphylococcus aureus* (ATCC 6358)

Dilution / Contact Time	Initial Count of Test Microorganism per ml of Test Mixture		Count of Surviving Test Microorganism per ml		Log Reduction	Percentage Kill of Test Microorganism
	CFU per ml	Log ₁₀	CFU per ml	Log ₁₀		
1:20 5 Minutes	96 000 000	8.0	Less than 10	Less than 1	More than 7.0	99.999990
1:40 5 Minutes	96 000 000	8.0	Less than 10	Less than 1	More than 7.0	99.999990
1:80 5 Minutes	96 000 000	8.0	Less than 10	Less than 1	More than 7.0	99.999990

Test Microorganism : *Pseudomonas aeruginosa* (ATCC 15442)

Dilution / Contact Time	Initial Count of Test Microorganism per ml of Test Mixture		Count of Surviving Test Microorganism per ml		Log Reduction	Percentage Kill of Test Microorganism
	CFU per ml	Log ₁₀	CFU per ml	Log ₁₀		
1:20 5 Minutes	87 000 000	7.9	Less than 10	Less than 1	More than 6.9	99.999990
1:40 5 Minutes	87 000 000	7.9	Less than 10	Less than 1	More than 6.9	99.999990
1:80 5 Minutes	87 000 000	7.9	Less than 10	Less than 1	More than 6.9	99.999990

TEST REPORT: 719184272-CHM10-LYP
20 SEP 2010



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Notes :

CFU : Colony Forming Unit

Remarks :

The product shall be deemed to have passed the test if it demonstrates a 5 Log reduction or more (at least >99.999% kill) in viability within 5 minutes or less under the conditions defined by this test when the test organisms are *Staphylococcus aureus* and *Pseudomonas aeruginosa*.

This test method evaluates the basic bactericidal activity of chemical disinfectants with no specific application. It does not evaluate the activity of a product for an intended use. More specific test methods are used for further assessment of the efficacy of chemical disinfectants and antiseptics for a defined purpose.

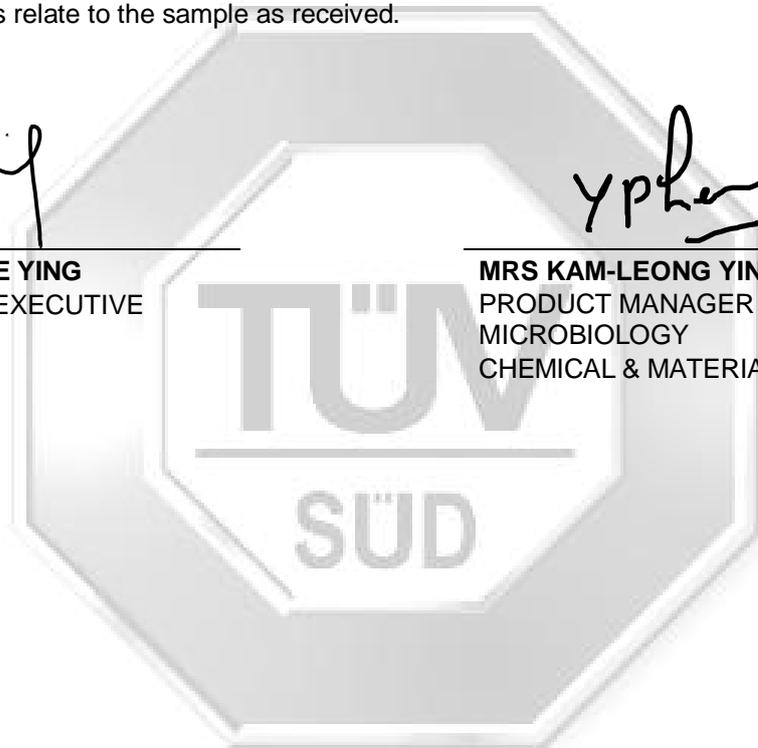
The above test results relate to the sample as received.

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: 719184272-CHM10-LYP
20 SEP 2010



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March 2010