

TEST REPORT: 719188652-CHM10-03-LYP

Date: 03 NOV 2010

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SUBJECT

Bactericidal Activity Test

CLIENT

Vance Chemicals Pte Ltd
No. 24 Gul Lane
Singapore 629418

Attn : Jane Yeo

SAMPLE SUBMISSION DATE / TEST DATE

19 Oct 2010 / 28 Oct 2010

DESCRIPTION OF SAMPLE

One sample of disinfectant as follows:

Product Name
Water-based Hand Sanitizer – 0.05% active

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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RESULTS

Product Name : "Water-based Hand Sanitizer – 0.05% active"

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		
0.05% 5 Minutes	160 000 000	8.2	Less than 10	Less than 1	More than 7.2	More than 99.999994

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		
0.05% 5 Minutes	95 000 000	8.0	Less than 10	Less than 1	More than 7.0	More than 99.999990

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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.

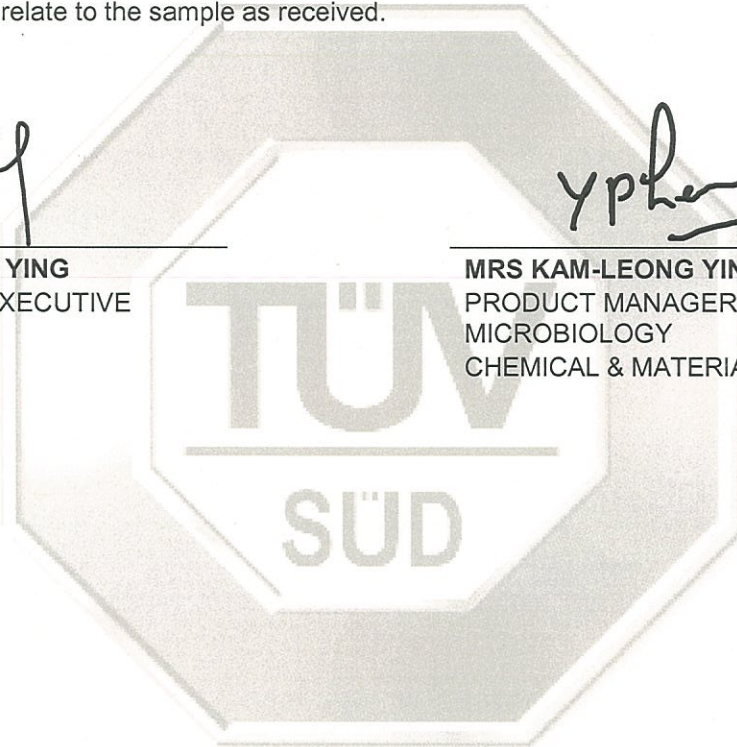
The above test results relate to the sample as received.

A handwritten signature in black ink, appearing to read 'Hwip'.

MS AW HWEE YING
TECHNICAL EXECUTIVE

A handwritten signature in black ink, appearing to read 'Yp Pheng'.

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



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March 2010