

## TEST REPORT: 7191140024-CHM16-02-RC

Date: 15 JUN 2016

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Client's Ref:

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### **SUBJECT**

Antimicrobial Activity Evaluation

### **CLIENT**

DUPREX Singapore Pte Ltd  
Blk 5047 Ang Mo Kio Industrial Park 2  
#01-607  
Singapore 569550

Attn : Bernard Yio

### **SAMPLE SUBMISSION DATE/ TEST DATE**

02 Jun 2016 / 03 Jun 2016

### **DESCRIPTION OF SAMPLE**

One liquid sample labelled as "Bactericidal / Anti-Bacterial Hand Wash" was submitted.

### **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)

Dilution tested : Neat

Contact time : 5 minutes

Neutralization method: Membrane filtration



TÜV SÜD PSB

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**RESULTS**

Product Name : "Bactericidal / Anti-Bacterial Hand Wash"

Test Microorganism : *Staphylococcus aureus* (ATCC 6538)

Concentration / 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 <sub>10</sub>	CFU per ml	Log <sub>10</sub>		
<b>Neat</b> 5 minutes	170 000 000	8.23	Less than 10	Less than 1.00	More than 7.23	More than 99.999994

Test Microorganism : *Pseudomonas aeruginosa* (ATCC 15442)

Concentration / 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 <sub>10</sub>	CFU per ml	Log <sub>10</sub>		
<b>Neat</b> 5 minutes	140 000 000	8.15	Less than 10	Less than 1.00	More than 7.15	More than 99.999993

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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**  
HIGHER TECHNICAL EXECUTIVE

Handwritten signature of Mr Randy Chin Kok Fei in black ink.

**MR RANDY CHIN KOK FEI**  
ASSISTANT PRODUCT MANAGER  
MICROBIOLOGY  
CHEMICAL & MATERIALS



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July 2011

