

TEST REPORT: 7191232058-CHM20-01-RC

Date: 24 FEB 2020

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Client's Ref: -

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SUBJECT

Antibacterial Activity Evaluation

CLIENT

New Age Polish Pte Ltd
11 Yishun Industrial Street 1
#01-112 North Spring Biz Hub
Singapore 768089

Attn: Gabriel Chia

SAMPLE SUBMISSION DATE/ TEST DATE

06 Feb 2020 / 19 Feb 2020

DESCRIPTION OF SAMPLE

One sample labelled as follows was submitted.

Product : Bacta-X Hospital Grade Disinfectant

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 :

Pseudomonas aeruginosa (ATCC 15442)

Staphylococcus aureus (ATCC 6538)

Dilution tested : Neat

Contact time : 5 minutes

Neutralization method: Membrane Filtration

Test temperature: 20±1°C

Incubation temperature: 36±1°C



TÜV SÜD PSB

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RESULTS

Product : Bacta-X Hospital Grade Disinfectant

Validation and controls

Controls	Validation Suspension (Nv ₀)	30<Nv ₀ <160 (Pass / Fail)	Experimental Condition control (A)	Neutralizer control (B)	Method Validation (C) Product Concentration: Neat	B and C ≥ 0.5 x Nv ₀ (Pass / Fail)
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	36	Pass	N.A.	31	33	Pass

Test Microorganism : *Pseudomonas aeruginosa* (ATCC 15442)

Contact Time / Concentration	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		
5 minutes Neat	22 000 000	7.34	Less than 10	Less than 1	More than 6.34	More than 99.99995

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RESULTS (cont'd)

Product : Bacta-X Hospital Grade Disinfectant

Validation and controls

Controls	Validation Suspension (Nv ₀)	30<Nv ₀ <160 (Pass / Fail)	Experimental Condition control (A)	Neutralizer control (B)	Method Validation (C) Product Concentration: Neat	B and C ≥0.5 x Nv ₀ (Pass / Fail)
<i>Staphylococcus aureus</i> (ATCC 6538)	38	Pass	N.A.	42	39	Pass

Test Microorganism : *Staphylococcus aureus* (ATCC 6538)

Contact Time / Concentration	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		
5 minutes Neat	25 000 000	7.40	Less than 10	Less than 1	More than 6.40	More than 99.99996

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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 *Pseudomonas aeruginosa* and *Staphylococcus aureus*.

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 be 'Xinni'.

MS CHUA XINNI
HIGHER TECHNICAL EXECUTIVE

A handwritten signature in black ink, appearing to be 'Randy'.

MR RANDY CHIN KOK FEI
PRODUCT MANAGER
MICROBIOLOGY
CHEMICAL & MATERIALS



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July 2011

