

Test Report No. CHM/R21/2794
Dated 28 SEPTEMBER 2021

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JOB NUMBER

CHM21/2794 (21-08767)

SUBJECT

Antibacterial Activity Evaluation

CLIENT

Sentinel Solution (Thailand) Co., Ltd.
10/164 The Trendy Building 20th Floor
Soi Sukhumvit 13 (Sang Chan), Sukhumvit Road
Klongtoei-Nuea, Wattana, Bangkok 10110

SAMPLE SUBMISSION DATE / TEST DATE

16 August 2021 / 13 – 28 September 2021

DESCRIPTION OF SAMPLE

One sample was submitted, labelled as follows:

Product Description	:	Sentinel's Air Cond Drain Guard
Batch no.	:	Nil
Manufacturer	:	Nil

One tablet was manually crushed and stirred in 100 ml of sterile distilled water until fully dissolved to obtain the test solution.

METHOD OF TEST

This evaluation was performed based on 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 :

Legionella pneumophila (ATCC 33152)

Dilution tested : Neat
Contact time : 5 minutes
Neutralization method : Membrane Filtration
Test temperature : 20±1°C
Incubation temperature : 36±1°C

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RESULTS

Product Description : Sentinel's Air Cond Drain Guard

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>Legionella pneumophila</i> (ATCC 33152)	36	Pass	34	39	34	Pass

Test Microorganism : *Legionella pneumophila* (ATCC 33152)

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/ml	Log ₁₀	CFU/ml	Log ₁₀		
5 minutes						
Neat	17 000 000	7.23	Less than 10	Less than 1	More than 6.23	More than 99.99994

Note

* : Indicates that the test was subcontracted to external laboratory

REMARKS

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(s) as received.

APPROVED BY



RUNKWAN WITAYAPISARN

SENIOR MICROBIOLOGIST

CHEMICAL & MICROBIOLOGY LABORATORY

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