

TEST REPORT: 719178372-CHM10-01-LYP

Date: 11 JUN 2010

Tel: +65 68851346 Fax: +65 67732912

Client's Ref: -

Email: Yin-Pheng.LEONG@tuv-sud-psb.sg

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SUBJECT

Bactericidal Activity Test

CLIENT

Gelair Pty Ltd
1 Cumnock Place
Duncraig, WA 6023
Australia

Attn : Dr. Laurie Glossop

SAMPLE SUBMISSION DATE / TEST PERIOD

20 May 2010 / 24 May to 11 Jun 2010

DESCRIPTION OF SAMPLE

1 sample of Gelair Solution.

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 :

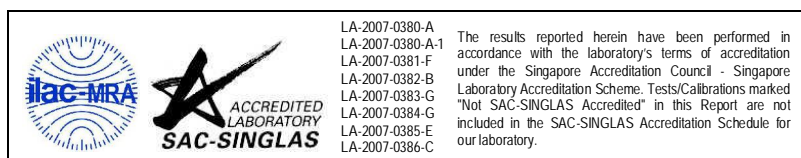
Methicillin resistant *Staphylococcus aureus* (NCTC 12493)
Legionella pneumophila (ATCC 33152)
Pseudomonas aeruginosa (ATCC 15442)
Staphylococcus aureus (ATCC 6538)



Laboratory:
TÜV SÜD PSB Pte. Ltd.
No.1 Science Park Drive
Singapore 118221

Phone : +65-6885 1333
Fax : +65-6776 8670
E-mail: testing@tuv-sud-psb.sg
www.tuv-sud-psb.sg
Co. Reg : 199002667R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
3 Science Park Drive, #04-01/05
The Franklin, Singapore 118223
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RESULTS

Product Description : Gelair Solution

Test Microorganism : Methicillin resistant *Staphylococcus aureus* (NCTC 12493)

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		
Neat 5 Minutes	2 900 000	6.5	20	1.3	5.2	99.9993

Test Microorganism : *Legionella pneumophila* (ATCC 33152)

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		
Neat 5 Minutes	22 000 000	7.3	Less than 100	Less than 2	More than 5.3	99.9995

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RESULTS (cont'd)Test Microorganism : *Staphylococcus aureus* (ATCC 6538)

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		
Neat 5 Minutes	400 000 000	8.6	2 300 000	6.4	2.2	99.4

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		
Neat 5 Minutes	4 100 000	6.6	230	2.4	4.2	99.994

Notes :

CFU : Colony Forming Unit

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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 and fungicidal 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 'Hyp'.

MS AW HWEE YING
TECHNICAL EXECUTIVE

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

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



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March 2010