

TEST REPORT



Your Ref: CHK 736723

Date: 2003-05-19

Our Ref: 57S031879-SLE

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DID: 6885 1345 / 6885 1346

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NOTE: This Report is issued subject to the "Terms and Conditions Governing Technical Services" set out in the "Request for Technical Services" form. The terms and conditions governing the issue of this report are set out overleaf.

SUBJECT

Bactericidal Activity of "McHarris Ultrasafe" disinfectant Solution (F060503)

CLIENT

Taylor Stanley (S) Pte Ltd
71 Tannery Lane
#07-07 City Industrial Building
Singapore 347807

Attn: Richard T.S. Chong

SAMPLE SUBMISSION DATE

07-05-2003

DESCRIPTION OF SAMPLE

2 x 250ml bottles of "McHarris Ultrasafe" disinfectant solution (F060503).

METHOD OF TEST

BS EN 1040 : 1997 "Chemical disinfectants and antiseptics – Basic bactericidal activity – Test Method and requirements (Phase I)"
By the membrane filtration method.

The test microorganisms used were :

Escherichia coli (ATCC 4157)
Methicillin Resistant *Staphylococcus aureus* (NCTC 12493)
Pseudomonas aeruginosa (ATCC 9027)
Salmonella typhimurium (ATCC 14028)
Legionella pneumophila (ATCC 33152)

The sample was tested as received.



Your product quality and safety mark

A handwritten signature in blue ink, appearing to be 'J. F. Law'.

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RESULTS

Product : "McHarris Ultrasafe"
 Test Microorganism : *Escherichia coli* (ATCC 4157)

Contact Time	Initial Count of Test Microorganism per ml of Test Mixture (Log ₁₀)	Count of Surviving Test Microorganism per ml (Log ₁₀)	Log Reduction	Percentage Kill of Test Microorganism
5 minutes	49 000 000 (7.69)	7 100 (3.85)	3.84	99.99
30 minutes	49 000 000 (7.69)	2 100 (3.30)	4.39	99.996
60 minutes	49 000 000 (7.69)	630 (2.80)	4.89	99.999

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

Contact Time	Initial Count of Test Microorganism per ml of Test Mixture (Log ₁₀)	Count of Surviving Test Microorganism per ml (Log ₁₀)	Log Reduction	Percentage Kill of Test Microorganism
5 minutes	64 000 000 (7.81)	30 (1.48)	6.33	99.99995
30 minutes	64 000 000 (7.81)	Less than 10 (1.0)	> 6.81	> 99.99998
60 minutes	64 000 000 (7.81)	Less than 10 (1.0)	> 6.81	> 99.99998

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RESULTS

Product : "McHarris Ultrasafe"

Test Microorganism : *Pseudomonas aeruginosa* (ATCC 9027)

Contact Time	Initial Count of Test Microorganism per ml of Test Mixture (Log ₁₀)	Count of Surviving Test Microorganism per ml (Log ₁₀)	Log Reduction	Percentage Kill of Test Microorganism
5 minutes	36 000 000 (7.56)	20 (1.30)	6.26	99.99994
30 minutes	36 000 000 (7.56)	Less than 10 (1.0)	> 6.56	> 99.99997
60 minutes	36 000 000 (7.56)	Less than 10 (1.0)	> 6.56	> 99.99997

Test Microorganism : *Salmonella typhimurium* (ATCC 14028)

Contact Time	Initial Count of Test Microorganism per ml of Test Mixture (Log ₁₀)	Count of Surviving Test Microorganism per ml (Log ₁₀)	Log Reduction	Percentage Kill of Test Microorganism
5 minutes	59 000 000 (7.77)	1 900 (3.28)	4.49	99.997
30 seconds	59 000 000 (7.77)	1 300 (3.11)	4.66	99.998
60 minutes	59 000 000 (7.77)	450 (2.65)	5.12	99.999

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Product : "McHarris Ultrasafe"

Test Microorganism : *Legionella pneumophila* (ATCC 33152)

Contact Time	Initial Count of Test Microorganism per ml of Test Mixture (Log ₁₀)	Count of Surviving Test Microorganism per ml (Log ₁₀)	Log Reduction	Percentage Kill of Test Microorganism
5 minutes	76 000 000 (7.88)	40 (1.60)	6.28	99.99995
30 minutes	76 000 000 (7.88)	30 (1.48)	6.40	99.99996
60 minutes	76 000 000 (7.88)	Less than 10 (1.0)	> 6.88	> 99.99999

Remarks

The product shall be deemed to have passed the test if it demonstrates a 10⁵ log or more reduction in viability within 60 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.



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TECHNICAL EXECUTIVE



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