
TEST REPORT

Company: THE AKRON(S) PTE LTD
30 Loyang Way #04-19/20
Singapore 508769

Report Date: 09 Apr 2021
Sample Received Date: 23 Mar 2021
Sample Test Date: 30 Mar-08 Apr 2021
Report No.: 2021-03-23-008-M

Attn: Kendrick
Tel: 9067 4632/ 6291 3300

Fax: 6296 8250
Email: Kendrick@akron.com.sg

SUBJECT

Disinfectant Efficacy Test

DESCRIPTION OF SAMPLE

One liquid sample “AKRON® SHIELD SURFACE (502)” was submitted.

Storage condition: Room temperature

METHOD OF TEST

European Standard, NF EN 1040:2006

“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)”.

Experimental conditions:

Dilution tested: Neat

Obligatory conditions:

Test microorganisms: *Staphylococcus aureus* (ATCC 6538) and *Pseudomonas aeruginosa* (ATCC 15442)

Test temperature: 20°C ± 1°C

Incubation temperature: 37°C ± 1°C

Additional condition:

Contact time: 10 minutes

Neutralizer used: Dey-Engley neutralizing broth

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Results:

Product Name : AKRON® SHIELD SURFACE (502)

Validation and control:

Microorganism	Validation suspension (N _{V0})	30 ≤ N _{V0} ≤ 160	Experimental condition control (A)	Neutralizer control (B)	Method validation (C) Product Concentration.: Neat	A,B and C ≥ 0.5xN _{V0}
<i>Staphylococcus aureus</i> (ATCC 6538)	136	Yes	126	103	< 1	A,B: Yes C: No

Test Microorganism : *Staphylococcus aureus* (ATCC 6538)

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		
10 minute	30,400,000	7.48	< 10	< 1	More than 6.48	More than 99.99997

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Microorganism	Validation suspension (N _{v0})	30 ≤ N _{v0} ≤ 160	Experimental condition control (A)	Neutralizer control (B)	Method validation (C) Product Concentration.: Neat	A,B and C ≥ 0.5xN _{v0}
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	36	Yes	33	32	3	A,B: Yes C: No

Test Microorganism : *Pseudomonas aeruginosa* (ATCC 15442)

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		
10 minute	16,100,000	7.21	< 10	< 1	More than 6.21	More than 99.99994

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Remarks:

This standard evaluates the basic bactericidal activity of chemical disinfectants with no specific application. Additional standard 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.

Performed by:



Ms. See Chai Ting
Microbiologist

Verified by:



Mr Raja Vadivel
Senior Microbiologist

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