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TEST REPORT

Company:	THE AKRON(S) PTE LTD 30 Loyang Way #04-19/20 Singapore 508769	Report Date: Sample Received Date: Sample Test Date: Report No.:	08 Apr 2021 23 Mar 2021 30 Mar-02 Apr 2021 2021-03-23-007-M
Attn:	Kendrick	Fax:	6296 8250
Tel:	9067 4632/ 6291 3300	Email:	Kendrick@akron.com.sg

SUBJECT

Disinfectant Efficacy Test

DESCRIPTION OF SAMPLE

One liquid sample "AKRON® A PLUS (501)" 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: 1:100 parts

Obligatory conditions:
Test microorganisms: *Staphylococcus aureus* (ATCC 6538) and *Pseudomonas aeruginosa* (ATCC 15442)
Test temperature: 20ºC ± 1ºC
Incubation temperature: 37ºC ± 1ºC

Additional condition:
Contact time: 10 minutes

Neutralizer used: Dey-Engley neutralizing broth

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Results:

Product Name : AKRON® A PLUS (501)

Validation and control:

Microorganism	Validation suspension (Nv_0)	$30 \leq Nv_0 \leq 160$	Experimental condition control (A)	Neutralizer control (B)	Method validation (C) Product Concentration.: 1:100 parts	A,B and C $\geq 0.5 x Nv_0$
Staphylococcus aureus (ATCC 6538)	136	Yes	126	103	97	Yes

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

Special remarks:

1. All validation and controls were within the basic limits.
2. No precipitate during the test procedure (test mixture were homogeneous).

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Results:

Product Name : AKRON® A PLUS (501)

Validation and control:

Microorganism	Validation suspension (Nv_0)	$30 \leq Nv_0 \leq 160$	Experimental condition control (A)	Neutralizer control (B)	Method validation (C) Product Concentration.: 1:100 parts	A,B and C $\geq 0.5 \times Nv_0$
Pseudomonas aeruginosa (ATCC 15442)	125	Yes	72	101	90	Yes

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	34,000,000	7.53	< 10	< 1	More than 6.53	More than 99.99997

Special remarks:

1. All validation and controls were within the basic limits.
2. No precipitate during the test procedure (test mixture were homogeneous).

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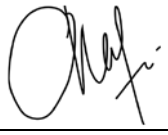
Company:	THE AKRON(S) PTE LTD	Report Date:	08 Apr 2021
	30 Loyang Way #04-19/20	Sample Received Date:	23 Mar 2021
	Singapore 508769	Sample Test Date:	30 Mar-02 Apr 2021
		Report No.:	2021-03-23-007-M
Attn:	Kendrick	Fax:	6296 8250
Tel:	9067 4632/ 6291 3300	Email:	Kendrick@akron.com.sg

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