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**TEST REPORT**

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

Report Date: 08 Apr 2021  
Sample Received Date: 23 Mar 2021  
Sample Test Date: 25 Mar-08 Apr 2021  
Report No.: 2021-03-23-002-M

Attn: Kendrick  
Tel: 9067 4632/ 6291 3300

Fax: 6296 8250  
Email: [Kendrick@akron.com.sg](mailto:Kendrick@akron.com.sg)

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**SUBJECT**

Disinfectant Efficacy Test

**DESCRIPTION OF SAMPLE**

One liquid sample “AKRON® JULIUS-O (160)” 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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*Nothing in this report shall be interpreted to mean that Pacific Lab Service have verified or ascertained any endorsement or marks from any other testing authority or bodies that may be found on the sample.*

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**Results:**

Product Name : AKRON® JULIUS-O (160)

Validation and control:

Microorganism	Validation suspension (N <sub>V0</sub> )	30 ≤ N <sub>V0</sub> ≤ 160	Experimental condition control (A)	Neutralizer control (B)	Method validation (C) Product Concentration.: Neat	A,B and C ≥ 0.5xN <sub>V0</sub>
<i>Staphylococcus aureus</i> (ATCC 6538)	101	Yes	71	65	< 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 <sub>10</sub>	CFU per mL	Log <sub>10</sub>		
10 minute	26,200,000	7.42	< 10	< 1	More than 6.42	More than 99.99996

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**Results:**

Product Name : AKRON® JULIUS-O (160)

Validation and control:

Microorganism	Validation suspension (N <sub>v0</sub> )	30 ≤ N <sub>v0</sub> ≤ 160	Experimental condition control (A)	Neutralizer control (B)	Method validation (C) Product Concentration.: Neat	A,B and C ≥ 0.5xN <sub>v0</sub>
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	36	Yes	33	32	9	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 <sub>10</sub>	CFU per mL	Log <sub>10</sub>		
10 minute	16,100,000	7.21	< 10	< 1	More than 6.21	More than 99.99993

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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:



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Ms. See Chai Ting  
Microbiologist

Verified by:



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Mr Raja Vadivel  
Senior Microbiologist

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