



The Compliance Catalyst



Certificate of Analysis

Lab Ref No.: **PL2011-C36990**

SN: **RS1645976031943853**

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Kee Kai Loon

Microbiologist & Biotechnologist

Food Analyst No: MJMM 0469

AN1: RA1419243275240555

VIRCAST MEDIC SDN BHD

NO. 110&111, JALAN PENGKALAN,

TAMAN PEKAN BARU

08000 KEDAH

MALAYSIA

Date of Issue: 2020-11-10

Date of Received: 2020-11-05

Date of Completion: 2020-11-10

Sample Marking: Antimicrobial Multi-Functional Protection Spray

Test Organism	Test substance	Contact time	Surviving count (cfu/ml)	Log reduction	Percent reduction
Staphylococcus aureus ATCC 6538	Control	Time zero	1.1 x 10 ⁶	NA	NA
	Hand Sanitizer	5 sec	ND<10	6.04	99.9999
		15 sec	ND<10	6.04	99.9999
		30 sec	ND<10	6.04	99.9999
Escherichia coli ATCC 8739	Control	Time zero	1.0 x 10 ⁶	NA	NA
	Hand Sanitizer	5 sec	ND<10	6.00	99.9999
		15 sec	ND<10	6.00	99.9999
		30 sec	ND<10	6.00	99.9999
Salmonella typhimurium ATCC 14028	Control	Time zero	1.2 x 10 ⁶	NA	NA
	Hand Sanitizer	5 sec	ND<10	6.08	99.9999
		15 sec	ND<10	6.08	99.9999
		30 sec	ND<10	6.08	99.9999

Test Description	Unit	Result(s)	Method or Equipment Used
Staphylococcus aureus ATCC 6538*		As above	ASTM E 2315 : Standard Guide for Assessment of Antimicrobial Activity Using a Time-Kill Procedure



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Test Description	Unit	Result(s)	Method or Equipment Used
Salmonella typhimurium ATCC 14028*		As above	ASTM E 2315 : Standard Guide for Assessment of Antimicrobial Activity Using a Time-Kill Procedure
Escherichia coli ATCC 8739*		As above	ASTM E 2315 : Standard Guide for Assessment of Antimicrobial Activity Using a Time-Kill Procedure

– END OF REPORT –

This Test Report is prepared according to our standard testing requirements and based solely on the samples submitted by you. We have made every reasonable effort to ensure the accuracy and reliability of the information provided herein. However, we shall not be deemed to have warranted or guaranteed the accuracy and reliability of the results contained in the Test Report under whatsoever circumstances. Neither shall we be liable and responsible for any loss or damage of whatever nature (direct, indirect, incidental, economical, punitive and consequential) caused or alleged to be caused by or in connection with and arising out of the use of or reliance on this Test Report.

This report is strictly not for circulation, advertising or legal proceeding purpose and cannot be reproduced except in full without written approval of the laboratory. Test carried out at SAMM384. Symbol * denote test not SAMM accredited. Symbol + denote test externally provided and accredited at SAMM564. Symbol ++ denote test externally provided and accredited at SAMM752. Symbol # denote test externally provided and accredited. The replacement report is indicated with Tr suffix to the original lab ref. no..Symbol 'r' denote the designated revision number. The latest revision number shall deem to be the final replacement report.



COA Authentication