



Test Report

Date : 2020-04-23
No. : HC20040746

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Applicant (Code:01325334) : Art Beauty Group Company Limited
Unit 2305 Apec Plaza
49 Hoi Yuen Road
Kwun Tong Kln HK

Description of Sample(s) : One submitted sample said to be Instant Hand Sanitizer.

Sample(s) Received Condition(s): In plastic container under ambient temperature

Date Sample(s) Received : 2020-04-06

Date Tested : 2020-04-07 to 2020-04-23

Investigation Requested :

1. Antimicrobial Effectiveness against
 - *Escherichia coli* 大腸桿菌 (ATCC 25922)
 - *Legionella pneumophila* 退伍軍人桿菌 (ATCC 33152)
 - *Salmonella typhimurium* 鼠傷寒沙門氏菌 (ATCC 14028)
 - *Staphylococcus aureus* 金黃色葡萄球菌 (ATCC 6538)
2. Antiviral effectiveness against
 - Influenza A virus (H1N1) 甲型流感病菌 (ATCC VR-1736)

Conclusion(s) : From the test results, the submitted sample was able to eliminate >99.9% of the inoculated *Escherichia coli*, *Legionella pneumophila*, *Salmonella typhimurium*, *Staphylococcus aureus* and Influenza A virus (H1N1) within 30 seconds. 根據殺菌效能的測試結果，所提供之樣本能在30秒內消除大於百分之九十九點九接種的大腸桿菌、退伍軍人桿菌、鼠傷寒沙門氏菌、金黃葡萄球菌及甲型流感病菌。

LEE Paul

Authorized Signatory

Chemical and Food Department

For and on behalf of

The Hong Kong Standards and Testing Centre Ltd.



In the event of any discrepancy between the English and Chinese versions of the text mentioned before, the English version shall prevail to the extent of such discrepancy only.

The Hong Kong Standards and Testing Centre Limited, 香港標準及檢定中心有限公司

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Method(s) Used:

1. ASTM E2315-2016 (contact time : 30 seconds)
2. ASTM E1052-2011 (contact time : 30 seconds)

Test Result(s):

1. Antimicrobial Effectiveness against

Test Trial	Instant Hand Sanitizer	
	<i>Escherichia coli</i> 大腸桿菌 (ATCC 25922)	<i>Legionella pneumophila</i> 退伍軍人桿菌 (ATCC 33152)
Average of controls (CFU/ml)	8,025,000	2,170,000
Average of samples (CFU/ml)	<10	<100
Bacteria Reduction Rate	>99.9%	>99.9%

Test Trial	Instant Hand Sanitizer	
	<i>Salmonella typhimurium</i> 鼠傷寒沙門氏菌 (ATCC 14028)	<i>Staphylococcus aureus</i> 金黃色葡萄球菌 (ATCC 6538)
Average of controls (CFU/ml)	7,050,000	7,025,000
Average of samples (CFU/ml)	<10	<10
Bacteria Reduction Rate	>99.9%	>99.9%

Notes: - CFU/ml denotes Colony Forming Unit per milliliter

- > denotes larger than

- Bacteria Reduction Rate = $\frac{\text{Average of controls} - \text{Average of samples}}{\text{Average of controls}} \times 100$

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2. Antiviral effectiveness against

Test Trial	Instant Hand Sanitizer
	Influenza A virus (H1N1) 甲型流感病菌 (ATCC VR-1736)
Average of virus controls (Log_{10} TCID ₅₀ /ml)	6.75
Average of samples (Log_{10} TCID ₅₀ /ml)	3.50
Log_{10} Reduction	3.25
Viral Reduction Rate	>99.9%

Notes: - TCID₅₀/ml denotes 50% Tissue Culture Infective Dose per milliliter
- TCID₅₀ calculated by Reed-Muench Method
- > denotes larger than

***** End of Test Report *****

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