



ATTESTATION REPORT

Date: 2019-09-11

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No.: T01607-4

Applicant : Chiaphua Industries Ltd.
Unit A, 2/F, Chiaphua Industries Building, Nos 8-10 Siu Lek
Yuen Road, Sha Tin, New Territories, Hong Kong

Description of Sample(s) : Product name in English: THYME DISINFECTION SPRAY
Product name in Chinese: 百里香消毒噴劑
Model no.: GMTHYME; 1/128THYME
Brand name: GERMAGIC; 菌魔力, 霉菌滅
Quantity submitted: 4 bottles

Date Sample(s) Received : 2019-03-18

Date Testing : 2019-03-18 to 2019-06-28

Investigation Requested : 溶出性抗(抑)菌產品抑菌性能.

Conclusions : Referring to Test Summary.

Remark(s) : Report content referring to SCTR No.:2019SP1434R01a.



Lee Mei Yu, Amy
Certification Officer
For and on behalf of
The Hong Kong Certification Centre Ltd



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Test Summary

1. 溶出性抗(抑)菌產品抑菌性能

一. 器材

1. 試驗樣品 : Disinfection (Thyme) 消毒劑 (百里香)
2. 試驗菌株 : 大腸桿菌 (*Escherichia coli*) 8099 第3代, 金黃色葡萄球菌 (*Staphylococcus aureus*) ATCC 6538 第4代, 白色念珠菌 (*Candida albicans*) ATCC 10231 第3代,
菌株來源: 廣東省微生物研究所菌種保藏中心.
3. 主要儀器與編號 : 生化培養箱 QSP-B-I001 及 QSP-B-I002.

二. 方法

1. 菌懸液的製備 : 將新鮮培養的菌株用 PBS 洗下, 製成 1.0×10^5 cfu/mL ~ 9.0×10^5 cfu/mL 的菌懸液.
2. 檢測方法 : 依據<一次性使用衛生用品衛生標準> GB 15979-2002 附錄 C4, 用試驗樣品原液, 作用時間 2min, 試驗重覆 3 次.
3. 檢測條件 : 溫度:24°C, 濕度:62%.

三. 結果

作用濃度與作用時間	測試微生物	序號	對照組菌落總數 (cfu/mL)	試驗組菌落總數 (cfu/mL)	抑菌率 (%)
原液 2min	大腸桿菌 (<i>Escherichia coli</i>) 8099	1	3.3×10^4	<10	>99.97
		2	3.5×10^4	<10	>99.97
		3	3.8×10^4	<10	>99.97
		平均值			>99.97
	金黃色葡萄球菌 (<i>Staphylococcus aureus</i>) ATCC 6538	1	1.3×10^4	<10	>99.92
		2	1.5×10^4	<10	>99.93
		3	1.5×10^4	<10	>99.93
		平均值			>99.93
	白色念珠菌 (<i>Candida albicans</i>) ATCC 10231	1	3.4×10^4	<10	>99.97
		2	3.7×10^4	<10	>99.97
		3	3.6×10^4	<10	>99.97
		平均值			>99.97

四. 結論

送檢樣品原液, 作用 2min, 其對大腸桿菌, 金黃色葡萄球菌及白色念珠菌的抑菌率均>90%, 達到 GB 15979-2002 附錄 C4 的評價規定 (抑菌率≥90%), 該樣品對所測菌株具有較強抑菌作用.



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Certification of Translation

Ectranslator Translations Services, a translation company in China, is competent to translate from Simplified Chinese into English, and certify that the translation of "Antibacterial performance of dissolved anti-bacterial products - GERMAGIC DISINFECTANT SPRAY" is true and accurate to the best of our abilities.



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Product name in Chinese: 百里香消毒噴劑
Model no.: GMTHYME; 1/128THYME
Brand name: GERMAGIC; 菌魔力, 黴菌滅
Quantity submitted: 4 bottles

Date Sample(s) received : March 18, 2019

Date Testing : Mar 18, 2019 to Jun 28, 2019

Investigation requested : Antibacterial performance of dissolved anti-bacterial products.

Conclusion : Referring to Test Summary.

Remark(s) : Report content referring to SCTR No.: 2019SP1434R01a

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Test Summary**1. Antibacterial performance of dissolved anti-bacterial products****I. Equipment**

1. Test sample : Disinfectant (Thyme) 消毒劑 (百里香)
2. Test strain : *Escherichia Coli* 8099 3rd generation, *Staphylococcus aureus* ATCC 6538 4th generation, *Candida albicans* ATCC 10231 3rd Generation
Source of strain: Strain Collection Center of Guangdong Institute of Microbiology.
3. Main instruments and Models: : Biochemical incubator QSP-B-I001 and QSP-B-I002.

II. Methods:

1. The preparation of bacterial suspension: : The freshly cultured strains were washed and collected with PBS to produce 1.0×10^5 cfu/mL ~ 9.0×10^5 cfu/mL bacterial suspension.
2. Testing method: : According to <Hygienic standard for disposable sanitary products> GB 15979-2002 - Appendix C6, the sample is in its original packaging
3. Test conditions : Temperature: 24°C, Relative humidity: 62%.

III. Results:

Concentration and time of application	Tested microorganism	Serial No.	Total viable count in control group (cfu/mL)	Total viable count in test group (cfu/mL)	Antibacterial rate %
Stock solution 2min	大腸桿菌 (<i>Escherichia coli</i>) 8099	1	3.3×10^4	<10	>99.97
		2	3.5×10^4	<10	>99.97
		3	3.8×10^4	<10	>99.97
		Mean			
	金黃色葡萄球菌 (<i>Staphylococcus aureus</i>) ATCC 6538	1	1.3×10^4	<10	>99.92
		2	1.5×10^4	<10	>99.93
		3	1.5×10^4	<10	>99.93
		Mean			
	白色念珠菌 (<i>candida albicans</i>) ATCC 10231	1	3.4×10^4	<10	>99.97
		2	3.7×10^4	<10	>99.97
		3	3.6×10^4	<10	>99.97
		Mean			

IV. Conclusions:

The stock solution of the sample submitted for test has an antibacterial rate of over 90% against *Escherichia coli*, *Staphylococcus aureus* and *Candida albicans* 2 mins after its application. It meets the requirements of GB 15979-2002 Appendix C4 (antibacterial rate $\geq 90\%$). This sample has a strong antibacterial effect on the tested strains.



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