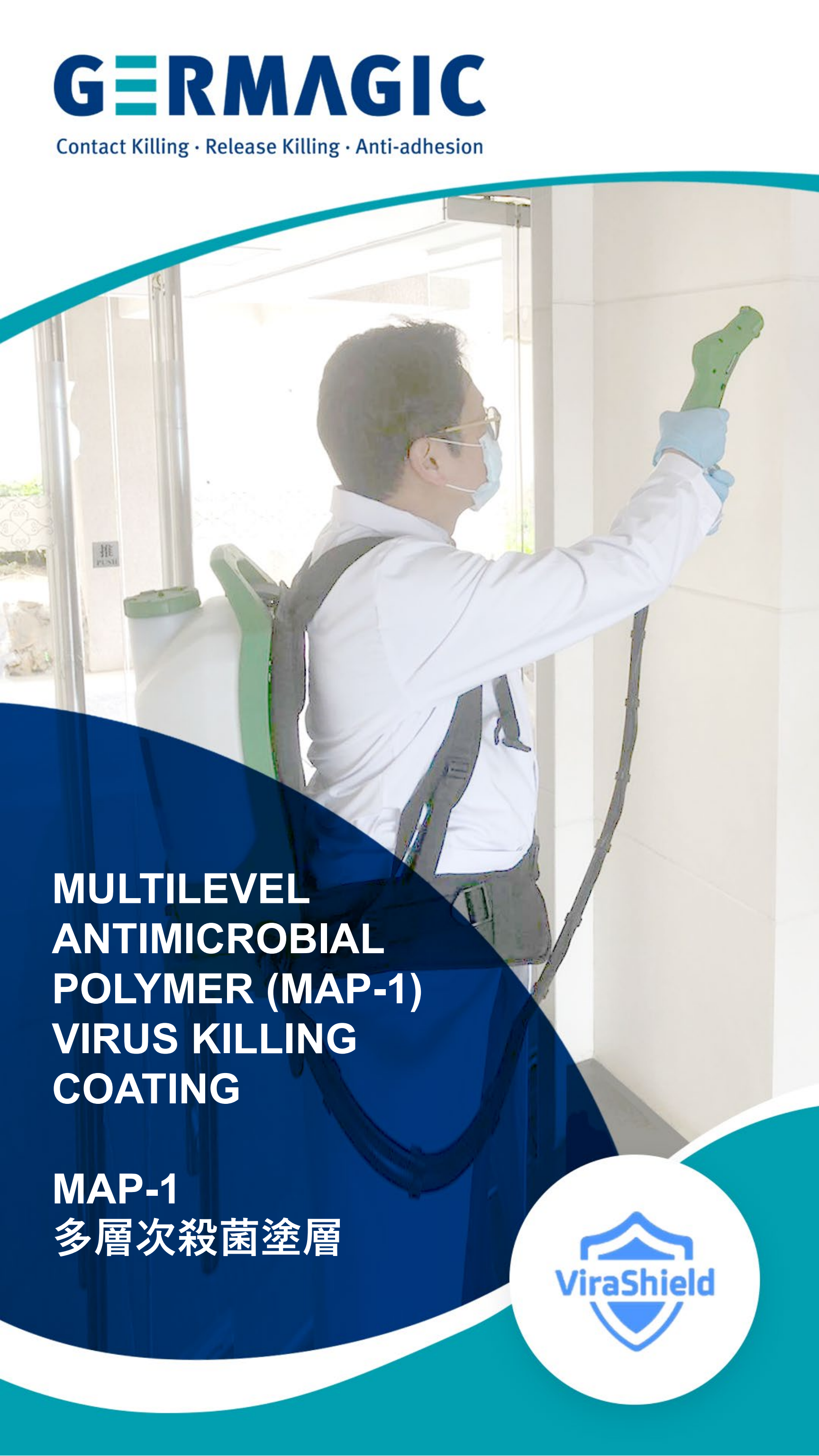


GERMAGIC

Contact Killing · Release Killing · Anti-adhesion



MULTILEVEL ANTIMICROBIAL POLYMER (MAP-1) VIRUS KILLING COATING

MAP-1
多層次殺菌塗層





Contact Killing · Release Killing · Anti-adhesion

ViraShield Asia Limited
衛盾亞洲有限公司

GERMAGIC™
G-Coating Specialist HK
GERMAGIC™ 正式授權香港
代理商

Enquiry Hotline



2157 0201

WhatsApp



9790 1262

Email



enquiry@virashield.com.hk





Contact Killing · Release Killing · Anti-adhesion

New Announcement

Hong Kong Union Christian
Hospital has adopted
GERMAGIC™ MAP-1 Coating

香港聯合醫院已採用
GERMAGIC™ MAP-1 多層次殺
菌塗層





Contact Killing · Release Killing · Anti-adhesion



Developed by The Hong Kong University
of Science and Technology
香港科技大學(科大)研究團隊研發



Effective to eliminate SARS-CoV-2 and
over 100+viruses and bacteria
能有效殺滅新型冠狀病毒 (SARS-CoV-2)*
及超過100種病毒和細菌

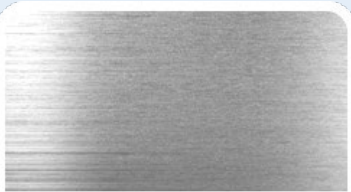


Effective period up to 90 days
殺菌期最長可維持90天

*Meeting US EPA requirement in non-enveloped viruses removal efficacy,
3rd party tests from Australia and Japan
通過美國EPA對殺滅無包膜病毒的要求,並有澳洲,日本,專業測試



GERMAGIC™ can be sprayed on 可噴灑在



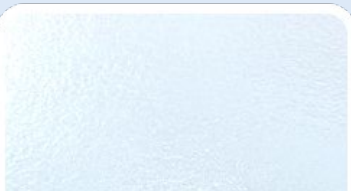
Metal
金屬



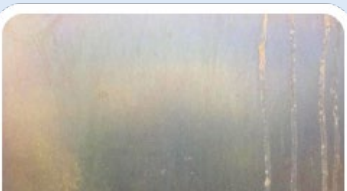
Concrete
混凝土



Wood
木材



Glass
玻璃



Plastics
塑料



Fabric
織物



Plastics
塑料



Fabric
織物



**GERMAGIC™ is Non-toxic and
safe for skin and the
environment**

對人體和環境無害



GERMAGIC™ best used in 最有效應用於



**Medical
clinics**
醫療診所



Hospitals
醫院



Schools
學校



**Day care
centers**
日託中心



**Elderly
homes**
安老院舍



Offices
辦公室



GERMAGIC

Contact Killing · Release Killing · Anti-adhesion

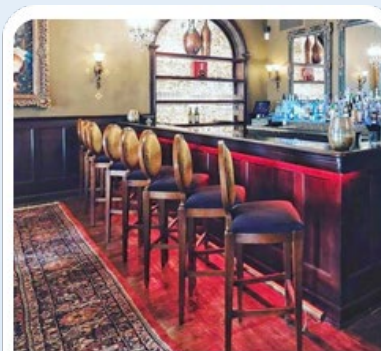
GERMAGIC™ best used in 最有效應用於



**Club
houses**
私人會所



Residence
住宅



**Entertainment
facilities**
娛樂場所



**Public
transport**
公共交通





HOW IT WORKS

An antimicrobial coating which gives “contact-killing”, “release-killing and “anti-adhesion” abilities.

Unlike conventional antimicrobial technologies which solely rely on contact-killing, GERMAGIC releases Reactive Oxygen Species(ROS) in a controlled-manner, allowing germicidal effect in the coating’s proximal area.

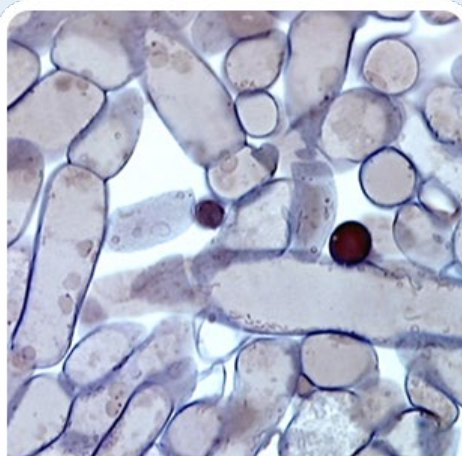
Germagic塗層可以有「接觸殺滅」、「釋放殺滅」和「抗菌黏連」的功效，比其他只有接觸殺滅的殺菌濾網更有效地殺滅微生物。



Effective in eliminating 有效殺滅



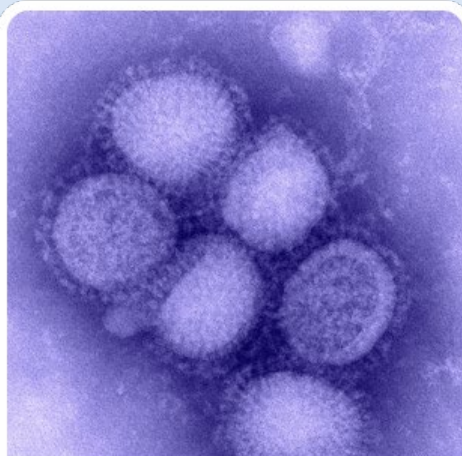
Bacteria 細菌



Fungi 黴菌



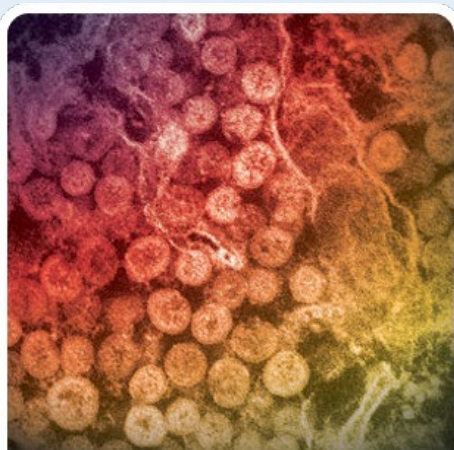
Avian Flu 禽流感



Swine Flu 豬流感



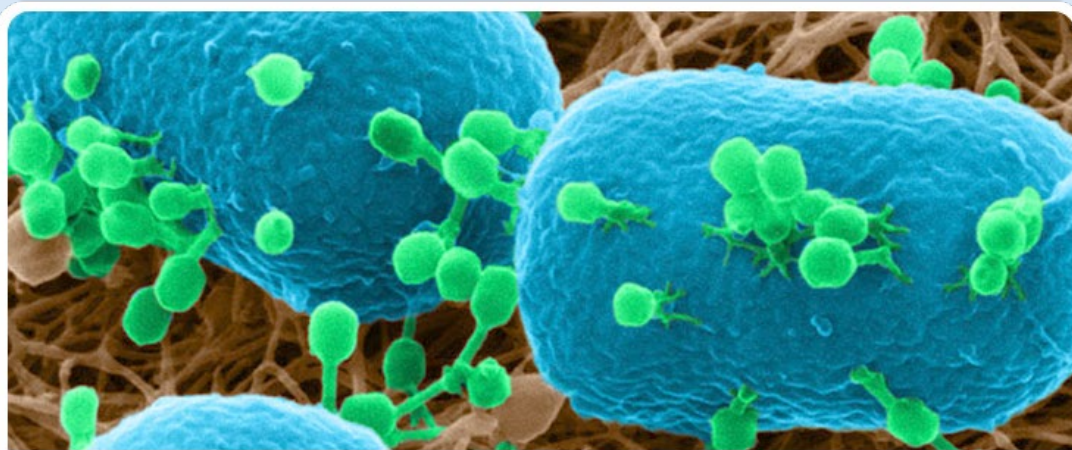
Effective in eliminating 有效殺滅



MERS 中東沙士



SARS-CoV-2*
新型冠狀病毒



Over 100+ viruses and bacteria
超過一百種病毒和細菌





Contact Killing · Release Killing · Anti-adhesion



Proven Effectiveness with more than 100 reports and documents, also meeting US EPA requirement in non-enveloped viruses removal efficacy and 3rd party tests from Australia and Japan.

超過**100**多個報告和文件驗證有效，還滿足了美國**EPA**對去除無包膜病毒有效性的要求，以及通過澳大利亞和日本的第三方測試。





No VOC
無揮發性有機物



Non Toxic
無毒



No Secondary Pollution
無二次污染



No Harm
無害





Contact Killing · Release Killing · Anti-adhesion

ViraShield Asia Limited
衛盾亞洲有限公司

Authorized Hong Kong agent
of GERMAGIC™
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Real Case Video 實境案例



Dental Clinic
牙科診所

<https://youtu.be/hu1anw6rV6k>



GERMAGIC

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Real Case Video 實境案例



School
學校

<https://youtu.be/cCIMBH9OTZg>



Real Case Video 實境案例



Retail Store
零售商店

<https://youtu.be/1L8pKUVNWII>



Real Case Video 實境案例



Coach Bus
旅遊巴士

<https://youtu.be/Jk3nUS62q4s>



Substantiation 測試報告



ams

Test Report

Page 1 of 27

Analytical Report: AAE74431

Eurofins Sample Number: NU19AA3912-2

Version: 3

TBA License No: M1 - 10120807 - 12 - 880788 - 10

APVMA License No: E128

Felton Grimwade & Bosisto's Pty Ltd

Client Account Number: A06354255R1

61-81 Clarendon Road

Eurofins Quote Number: AQW32018018504

Geelong South, VIC 3167

AU

Eurofins Sample Number NU19AA3912-2	
Original Received Date:	02-Apr-2019
Description:	Germagic Disinfectant (Thymol), Exp: 28-Mar-2022
Lot Number:	DB17-148-04
Containers Submitted:	1 Bottle(s)
Analysis	Result
# TMCV 006 Testing of virucidal activity of disinfectants by surface carrier technique	See Attached Report for Result
Refer to Attachment # 1	---
Method: TMCV 006	
Analysis Date: 02-Jul-2019	
* TMCV 006 Testing of virucidal activity of disinfectants by direct inoculation technique	See Attached Report for Result
Refer to Attachment # 2	---
Method: TMCV 006	
* Test is NOT Accredited	
Analysis Date: 11-Jul-2019	
* TMCV 006 Testing of virucidal activity of disinfectants by direct inoculation technique	See Attached Report for Result
Refer to Attachment # 3	---
Method: TMCV 006	
* Test is NOT Accredited	
Analysis Date: 11-Jul-2019	
* TMCV 006 Testing of virucidal activity of disinfectants by direct inoculation technique	See Attached Report for Result
Refer to Attachment # 4	---
Method: TMCV 006	
* Test is NOT Accredited	
Analysis Date: 30-Jul-2019	



Test Report

Page 1 of 4

Date : 2019-04-29

No. : HC19030332

Applicant(Code:98385326) :

Chinghua Industries Limited

Unit A 2/F Chinghua Industries Building

Nos 8-10 Siu Lek Yuen Road

Sha Tin New Territories Hong Kong

Description of Sample(s) :

One submitted sample said to be Disinfectant (Thymol); 消毒液(百里香)

Other Name: Thymol Disinfection Spray ;

Disinfection Descriptors ;

GERMAGIC Thymol;

殺菌除臭劑 ;

百里香消毒噴劑 ;

百里香消毒噴劑 ;

GERMAGIC 消毒液(百里香);

GERMAGIC Disinfection Spray (Thymol) 消毒噴劑(百里香)

Product Code: GMThymol ; 1/128THYML

Brand: GERMAGIC, 菌魔力, 羅諾美

Sample(s) Received Condition(s):

In intact original package under ambient temperature

Date Sample(s) Received :

2019-03-12

Date Tested :

2019-03-15 to 2019-04-04

Investigation Requested :

Refer to the next page.

Conclusion(s)

From the test results, the submitted sample was able to eliminate >99.99% of the inoculated *Aspergillus niger*, *Bacillus cereus*, *Candida albicans*, *Listeria monocytogenes*, *Pseudomonas aeruginosa*, *Trichophyton rubrum* and *Fibrio rubofiscus* within 10 minutes. 根據最優效菌的測試結果，所提供之樣本能在 10 分鐘內消除大於百分之九十九點九九種的黴菌、鏈球菌和桿菌、白色念珠菌、李斯特菌、腐蝕桿菌、紅色毛霉及腐蝕菌。

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 test mentioned below, the English version shall prevail in the event of such discrepancy only.

The Hong Kong Standards and Testing Centre Limited 香港標準及測試中心有限公司

10 Dai Wang Street, Tai Po Industrial Estate, Tai Po, N.T., Hong Kong 香港新界大埔工業邨大圍街10號

Tel: +852 2855 1888 Fax: +852 2855 4352 Email: hstc@stc.hk Website: www.stc.hk

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<http://www.germagic.com/en/substantiation.php>



測試報告

Notes: (1) General Tarsus A Condensate as mentioned overhead. (2) The results relate only to the items tested (3) The test report shall not be taken as evidence to substantiate the author's approval of the laboratory (4) Subject the agreement of the laboratory, the client is not authorized to view the test results for unapproved parameters

Chemical/Welding Laboratory: TUV SUD Product Testing (Shanghai) Co., Ltd. Unit: 1000000 E-Mail: enquiry@tuv-sud.cn 8-24/F, 1000000 Qiu-Hu Road, Hongfeng District Shanghai 201102 P.R. China	Phone: +86 21 8337 8375 Fax: +86 21 8337 8461 Web: www.tuv-sud.cn E-Mail: enquiry@tuv-sud.cn	Regional Test Office: TUV SUD Certification and Testing Unit: 1000000 E-Mail: enquiry@tuv-sud.cn 8-24/F, 1000000 Qiu-Hu Road, Hongfeng District Shanghai 201102 P.R. China
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TUV

Page 1 of 3

NAIA: NZW + 1247 (johs 2040) VIC + 1247 (johs 1240, 10638) QLD 1247 (johs 20819)
VGA: NSW + 86-2012-11-06793-3 VIC + 86-2012-11-06793-3
APWA: VIC + 8181 VIC + 8181

22 Balmain Drive, Scoresby VIC 3179 Phone: 481 3 8756 8011 Fax: 481 3 8783 1234
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Substantiation
測試報告



Test Report

Date : 2019-04-29
No. : HC19041130

Page 1 of 3

Applicant(Code:HK385326) : Chiaphua Industries Limited
Unit A, 2/F, Chiaphua Industries Building,
Nos 8-10 Sze Lok Yuen Road,
Sha Tin, New Territories, Hong Kong

Description of Sample(s) : One submitted sample said to be Disinfectant (Thymol); 消毒劑(百里香).
Other Name: Thymol Disinfection Spray;
Disinfection Deodorizer;
GERMAGIC Thymol;
殺菌除臭劑;
百里香消毒噴霧劑;
百里香消毒噴霧劑;
GERMAGIC 消毒劑(百里香);
GERMAGIC Disinfection Spray (Thymol) 消毒噴劑(百里香)
Product Code: GMThymol; 1/128THYMOL
Brand: GERMAGIC; 威實力, 威實威

Sample(s) Received Condition(s): In intact original package under ambient temperature

Date Sample(s) Received : 2019-03-12

Date Tested : 2019-03-13 to 2019-03-20

Investigation Requested : Refer to the next page.

Conclusion(s) : 1. The test result of submitted sample **complied** with the FDA regulation for use of mercury compounds (max. 1ppm) in cosmetics including use as skin bleaching agents regarding 21 CFR 700.13. 根據測試結果,所提供之樣本符合美國食品及藥物管理局第 21 CFR 700.13 之化妝品最高汞含量 (1ppm).
2. The test results of the submitted sample **complied** with the GB 7916-87 Hygienic Standard for Cosmetics and the Hygienic Standard for Cosmetics 2007 for P. R. China. 根據測試結果,所提供之樣本符合中華人民共和國之化妝品衛生標準GB 7916-87及化妝品衛生規範 2007 年版。

CHOW Hoi Yi, Alice
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 version of the test mentioned before, the English version shall prevail to the extent of such discrepancy only.

The Hong Kong Standards and Testing Centre Limited 香港標準及測定中心有限公司
13 Dai Wang Street, Tai Po Industrial Estate, Tai Po, N.T., Hong Kong 香港新界大埔工業邨大埔街13號
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香港認證中心有限公司
The Hong Kong Certification Centre Limited

ATTESTATION REPORT

Date: 2019-09-11
No.: T01607-14

Page 1 of 4

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

Description of Sample(s) : Product name in English: THYMOL DISINFECTANT SPRAY
Product name in Chinese: 百里香消毒噴霧劑
Model no.: OMTHYMOL; 1/128THYMOL
Brand name: GERMAGIC; 威實力, 威實威
Quantity submitted: 4 bottles

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

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

Investigation Requested : 急性吸入毒性

Conclusions : Referring to Test Summary.

Remark(s) : Report content referring to SCTR No. 2019SP1454R01a.



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

The Hong Kong Certification Centre Limited 香港認證中心有限公司
Unit B, 10/F, Block 1, Tai Ping Industrial Centre, 57 Ting Kok Road, Tuen Mun, N.T., Hong Kong 香港新界屯門青山灣工業中心第一座10樓B座
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e-tech/health/](https://unwire.hk/2020/03/11/germagicust/life-tech/health/)

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Media 媒體



HKSAR Government announced that Social Welfare Department will arrange for an anti-bacteria coating developed by HKUST Innovation and technology team (i.e. GERMAGIC™) to spray in residential care homes for the elderly and people with disabilities.



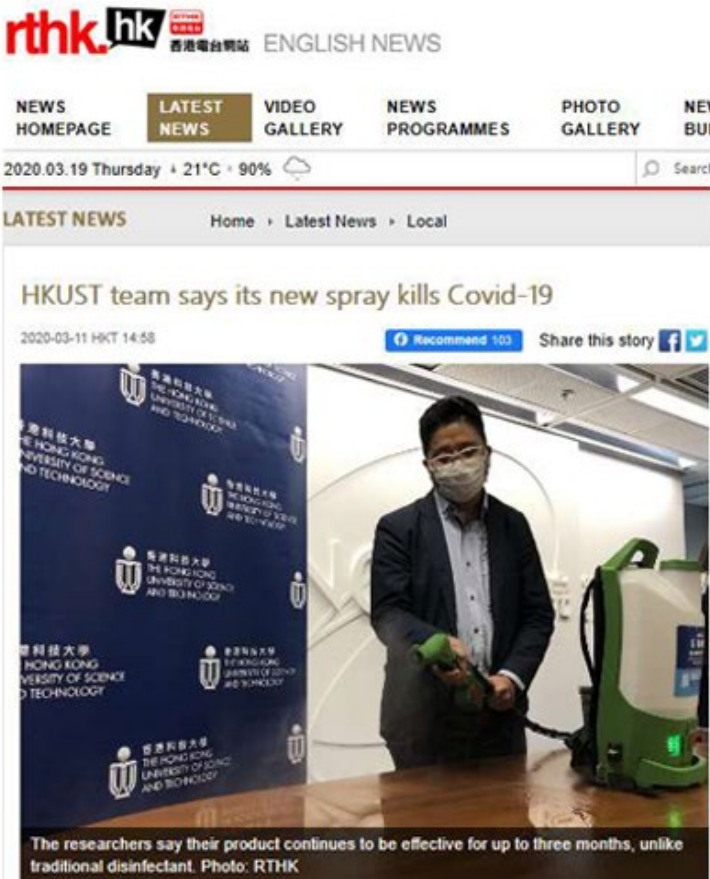
Media 媒體 21 Mar, 2020



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StartUpBeat

DON'T MISS AI 平台配對融資服務 助港中小企盡市深水

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昔日東方

科大研發 有效期90日 金屬木材適用 新殺菌塗層減99.9%病毒

新冠肺炎疫情兇狠，要打勝仗不少得精良「武器」，香港科技大學研究團隊研發新型多層殺菌塗層「MAP-1」，噴灑在金屬及木材等表面形成殺菌膜，能殺滅九成九高傳染性病毒，連新冠肺炎病毒也要「投降」。團隊又因應社會需要，以非牟利形式到學校、護理院及幼兒中心等噴灑塗層，已惠及七十間學校，其中包括中學文憑試考場。

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科大研發殺菌塗層滅病毒

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科大研發殺菌塗層滅病毒

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