

Name: 菌魔力百里香消毒劑

Main Ingredients: Polyhexanide, Thyme Essential Oil

Description: 菌魔力百里香消毒劑 是香港科技大學楊經倫教授團隊研發的 90 天長效消毒劑。其技術原理是用可物理刺破微生物的物料製作微膠囊，再包裹擁有高滅菌性的百里香精油，通過多重途徑達致長效殺滅微生物。

百里香精油是研發團隊用了五年時間，從世界各地搜羅超過 200 種天然精油，經過反覆測試挑選出來的天然殺菌精油。百里香精油中的百里香酚是一種天然的強效殺菌劑。為了確保百里香精油的穩定質量，我們更委托在澳洲有超過 100 年精油提煉經驗的精油廠商為我們提供天然百里香精油。

本消毒劑已經被中國、香港和澳洲多個檢測單位測試並證實可以殺滅細菌、真菌和病毒。其中，我們在澳洲進行的測試更是符合美國環保局對新型冠狀病毒 (COVID-19) 的滅活要求，證實可以滅活新型冠狀病毒。

菌魔力百里香消毒劑已經通過多重安全測試，包括多次完整皮膚刺激測試、陰道粘膜刺激測試、急性眼刺激測試、急性吸入毒性測試、急性經口毒性測試、金屬腐蝕測試、重金屬含量測試等等，確保消毒劑安全且無刺激性。

這消毒劑也已經與香港的醫院合作，在醫院中的隔離布簾上測試其長效滅菌功效。在為期半年的試驗發現，使用了我們消毒劑的隔離布簾在醫院的實際應用上可以有效降低九成九的微生物量。

本產品已經被香港認證中心認可，是香港綠色標誌產品。



以下是經由第三方測試的微生物列表

地區	測試方	測試詳情		
香港	香港標準及檢定中心	真菌	黑曲霉菌	>99.99%
香港	香港標準及檢定中心	細菌	蠟狀芽孢桿菌	>99.99%
香港	香港標準及檢定中心	細菌	白色念珠菌	>99.99%
香港	香港標準及檢定中心	細菌	李斯特菌	>99.99%
香港	香港標準及檢定中心	細菌	綠膿桿菌	>99.99%
香港	香港標準及檢定中心	細菌	紅毛癬菌	>99.99%
香港	香港標準及檢定中心	細菌	創傷弧菌	>99.99%
澳洲	歐陸集團	病毒	貓杯狀病毒	>99.99%
澳洲	歐陸集團	病毒	麻疹病毒	>99.99%
澳洲	歐陸集團	病毒	德國麻疹病毒	>99.9%
澳洲	歐陸集團	病毒	腮腺炎病毒	>99.9%

更多測試，未能盡錄.....

想知道更多詳情可瀏覽網頁: <http://www.germagic.com/tc/our-technology-c.php>

想直接看我們的測試報告可到: <http://www.germagic.com/tc/substantiation-germagic-t.php>

常見問題

1. 如何購買 GERMAGIC 百里香塗層？

現在我們還未有 GERMAGIC 百里香塗層的零售。不過我們提供專業的噴塗服務。一個正常五萬尺的地方大概在兩小時內便可完成噴塗。

如果需要我們的噴塗服務，請 Whatsapp 或 致電客戶服務熱線: **6816 2969**

2. 我需要先清潔檯面（或表面）才使用 GERMAGIC 百里香塗層嗎？

此塗層除了可替污染的表面消毒，亦可提供長效保護。因此我們建議先清潔表面以讓塗層可以均勻的依附在表面上。

3. 使用了 GERMAGIC 百里香塗層後，日後是否還需要清潔？

GERMAGIC 百里香塗層旨在補充並加強日常清潔，從而在兩次清潔之間提供安全的環境。我們建議使用布料微蘸我們的塗層增強劑或稀釋的漂白劑來清潔表面。請避免使用酒精或清潔劑。

4. 如果我不小心使用了酒精或清潔劑，是否表示原先的塗層失效？

塗層其實可以承受 5-6 次的酒精或清潔劑的清潔，所以無需過於擔心。如果不太放心或已不太記得酒精或清潔劑的清潔次數，我們建議重新噴灑些塗層。

5. 假使某些地方或物件經常暴露或接觸到很多細菌及病毒，這會令其滅菌功能降低甚至消失？

塗層除了釋放百里香精油來進行滅活也會通過不同途徑來消毒，并非只是單靠百里香精油。此外，早前在香港醫管局的為期半年的測試顯示，塗抹了塗層的隔離布簾仍可以有效的降低至少九成九的微生物量。

6. 使用了 GERMAGIC 百里香塗層是否可以減少個人清潔或消毒？

雖然此塗層可提供長效保護，並減少從物件所得的載體傳播，但是個人衛生還是要做好，如勤洗手、戴口罩、有充足睡眠等，才能全面對抗疫情。

Name: GERMAGIC Thyme Antimicrobial Coating

Main Ingredients: Polyhexanide, Thyme Essential Oil

Description: GERMAGIC Thyme Antimicrobial Coating is a 90-days antimicrobial coating invented by Prof. King Lun YEUNG's research team in Hong Kong University of Science and Technology. It encompasses antimicrobial polymers and germicidal thyme essential oil to perform multiple route disinfection.

The research team spent over five years to identify thyme essential oil to be the most potent essential oil among over 200 natural essential oils. Thymol, a terpene from thyme, plays the prominent role in its antimicrobial effect. To ensure the quality of our essential oil, our essential oil is specially supplied by essential oil specialists from Australia with over 100 years of expertise.

Our coating has been verified by third-party laboratories from China, Hong Kong and Australia to be effective against bacteria, fungi and viruses. Test results from Australia has determined the coating is effective against the Novel Coronavirus (COVID-19) and satisfies US EPA's requirement on inactivating COVID-19.

The antimicrobial coating has passed numerous safety tests to ensure it is safe to use. The tests include "Multiple skin sensitivity test", "Vaginal mucosal irritation test", "Acute eye sensitivity test", "Acute inhalation toxicity", "Acute oral toxicity", "Metal erosion test", "Heavy metal content", etc.

Our cooperation with Hong Kong local hospitals has allowed us to evaluate our coating in actual deployment. In a 6-months trial, we found our coating can effectively reduce the number of microbes found on partition curtains by over 99%.

GERMAGIC Thyme Antimicrobial Coating is accredited by Hong Kong Certification Centre to be a Hong Kong Eco Mark Product.



List of Tested Microbes Performed by 3rd Party Laboratories

Region	Test Laboratory	Details	
Hong Kong	Hong Kong Certification Centre	Fungus <i>Aspergillus niger</i>	>99.99%
Hong Kong	Hong Kong Certification Centre	Bacterium <i>Bacillus cereus</i>	>99.99%
Hong Kong	Hong Kong Certification Centre	Bacterium <i>Candida albicans</i>	>99.99%
Hong Kong	Hong Kong Certification Centre	Bacterium <i>Listeria monocytogenes</i>	>99.99%
Hong Kong	Hong Kong Certification Centre	Bacterium <i>Pseudomonas aeruginosa</i>	>99.99%
Hong Kong	Hong Kong Certification Centre	Bacterium <i>Trichophyton rubrum</i>	>99.99%
Hong Kong	Hong Kong Certification Centre	Bacterium <i>Vibrio vulnificus</i>	>99.99%
Australia	Eurofins	Virus <i>Feline calicivirus</i>	>99.99%
Australia	Eurofins	Virus Measles virus	>99.99%
Australia	Eurofins	Virus Rubella virus	>99.9%
Australia	Eurofins	Virus Mumps virus	>99.9%

And many more.....

For more information, please visit: <http://www.germagic.com/en/our-technology-c.php>

To check out our reports directly: <http://www.germagic.com/en/substantiation-germagic-t.php>

FAQ

1. How can I acquire GERMAGIC Thyme?

We currently do not have retail for GERMAGIC Thyme. However, we provide professional GERMAGIC Thyme spraying service. It takes around 2 hours for us to complete spray coating a 50,000 sq. feet area.

To arrange for our spraying service, please Whatsapp or call our hotline: **6816 2969**

2. Do I need to clean my table (or other surfaces) before applying GERMAGIC Thyme?

While GERMAGIC Thyme can disinfect microbes on a contaminated surface, the coating is aimed at providing long-term protection. We recommend pre-cleaning the area of application so that our coating can firmly attach onto the desired area instead of debris laying on top of the area.

3. Should I continue to clean my table after applying GERMAGIC Thyme?

GERMAGIC Thyme is designed to complement and reinforce routine cleaning practice to provide a safe environment between cleanings. We recommend continuing surface cleaning by using a slightly damped cloth soaked with our Coating Reinforcer or with diluted bleach. Avoid using alcohol or detergents.

4. I accidentally cleaned my table with alcohol/detergent, does it mean my coating is gone?

GERMAGIC Thyme can withstand multiple cleaning with alcohol and detergents. Therefore, there is no need to worry if the coated surface is accidentally cleaned with alcohol and/or detergents for 5-6 times. We recommend reapplying the antimicrobial coating if you are uncertain about the number of accidental cleanings were made.

5. Will the coating expire sooner if there is lots of germs on my table?

While GERMAGIC Thyme releases thyme essential oil for disinfection, GERMAGIC Thyme can perform multiple route disinfection and does not rely solely on thyme essential oil. Moreover, we have previously conducted a 6-months experiment with Hong Kong hospitals and found that the partition curtains coated with our antimicrobial coating was able to maintain a more than 99% reduction in microbial count compared to uncoated curtains.

6. Can I pay less attention to my personal hygiene after applying GERMAGIC Thyme?

Although GERMAGIC Thyme provides long-term protection and reduces indirect transmission, personal hygiene still needs to be well-maintained. We should wash hands frequently, wear masks, take enough rests, etc., to be fully prepared to fight the pandemic.