

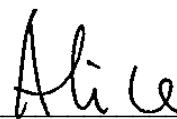


Test Report

Date : 2019-03-04
No. : HC19020272

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- Applicant(Code:01324469)** : Hong Kong Cheung Wo Biotechnology Group Limited
Rm 1003 10/F Olympic Plaza
255 King's Road
North Point Hong Kong
- Description of Sample(s)** : One submitted sample said to be 唯芳淨氧離子殺菌王 Uni-Clean Sanitizer.
- Sample(s) Received Condition(s): In plastic bottle under ambient temperature
- Date Sample(s) Received** : 2019-02-15
- Date Tested** : 2019-02-19 to 2019-03-04
- Investigation Requested** : Refer to the next page.
- Conclusion(s)** : From the test results, the submitted sample was able to eliminate more than 99.999% of the inoculated *Escherichia coli*, *Staphylococcus aureus*, *Salmonella typhimurium* and *Legionella pneumoniae* within 3 minutes. 根據殺菌效能的測試結果，所提供之樣本能在3分鐘內消除大於百分之九十九點九九九接種的大腸桿菌，金黃葡萄球菌，鼠傷寒沙門氏菌及嗜肺軍團菌。



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 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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Investigation Requested:

1. Arsenic content 砷含量
2. Cadmium content 鎘含量
3. Lead content 鉛含量
4. Mercury content 汞含量
5. Benzene content 苯含量
6. Antimicrobial Effectiveness against
 - *Escherichia coli* 大腸桿菌 (ATCC 25922)
 - *Staphylococcus aureus* 金黃葡萄球菌 (ATCC 6538)
 - *Salmonella typhimurium* 鼠傷寒沙門氏菌 (ATCC 14028)
 - *Legionella pneumoniae* 嗜肺軍團菌 (ATCC 33152)

Method(s) Used:

- 1-4. Inductively Coupled Plasma – Atomic Emission Spectrophotometry
5. Gas Chromatography / Mass Spectrometry – Headspace
6. ASTM E2315-2003 (contact time : 3 mins)

Test Result(s):

Test Item(s)	唯芳淨氧離子殺菌王 Uni-Clean Sanitizer
1. Arsenic content 砷含量	Not Detected
2. Cadmium content 鎘含量	Not Detected
3. Lead content 鉛含量	Not Detected
4. Mercury content 汞含量	Not Detected
5. Benzene content 苯含量	Not Detected

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6. Antimicrobial Effectiveness against

Test Trial	唯芳淨氧離子殺菌王 Uni-Clean Sanitizer	
	<i>Escherichia coli</i> 大腸桿菌 (ATCC 25922)	<i>Staphylococcus aureus</i> 金黃葡萄球菌 (ATCC 6538)
Average of controls (cfu/ml)	1,375,000	3,500,000
Average of samples (cfu/ml)	1	1
Microbial Reduction Rate	>99.999%	>99.999%

Test Trial	唯芳淨氧離子殺菌王 Uni-Clean Sanitizer	
	<i>Salmonella typhimurium</i> 鼠傷寒沙門氏菌 (ATCC 14028)	<i>Legionella pneumoniae</i> 嗜肺軍團菌 (ATCC 33152)
Average of controls (cfu/ml)	7,850,000	940,000
Average of samples (cfu/ml)	1	1
Microbial Reduction Rate	>99.999%	>99.999%

- Notes: - > denotes larger than
- ppm denotes part(s) per million
- CFU/ml denotes Colony Forming Unit per millilitre
- Reporting limit of Arsenic, Cadmium, Lead and Mercury is 0.1 ppm
- Reporting limit of Benzene is 5 ppm



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Photo(s):



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

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