



Test Report

Date : 2020-01-15
No. : HC20010549

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- Applicant(Code: 01324971) :** Biotopica Group Pty Limited
Level 1
53 Burswood Road
Burswood WA6100 Australia
- Description of Sample(s) :** One submitted sample said to be Biotopica Antibacterial Surface Sanitiser 多碧嘉物體表面消毒殺菌液.
Country of Origin : Australia
- Date Sample(s) Received :** 2019-11-12
- Date Tested :** 2020-01-06 to 2020-01-13 (Day 45)
- Investigation Requested :** Antimicrobial Effectiveness against
- *Staphylococcus aureus* subsp. *Aureus* *Rosenbach* (Methicillin – Resistant Strain) MRSA 抗藥性金黃葡萄球菌 (ATCC 43300)
- Vancomycin-Resistant Enterococci (VRE) 抗萬古黴素腸球菌 (ATCC 51299)
- *Escherichia coli* 大腸桿菌 (ATCC 25922)
- *Salmonella typhimurium* 鼠傷寒沙門氏菌 (ATCC 14028)
- *Staphylococcus aureus* 金黃色葡萄球菌 (ATCC 6538)
- *Pseudomonas aeruginosa* 銅綠假單胞菌 (ATCC 9027)
- *Legionella pneumophila* 退伍軍人桿菌 (ATCC 33152)
- *Vibrio parahaemolyticus* 副溶血弧菌 (ATCC 17802)
- Method(s) Used :** Ref. ISO 22196-2011 (Contact Time : 45 days)



LEE Paul
Authorized Signatory
Chemical and Food Department
For and on behalf of
The Hong Kong Standards and Testing Centre Ltd.

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Test Result(s):

Sample : Biotopica Antibacterial Surface Sanitiser 多碧嘉物體表面消毒殺菌液

Bacteria inoculated	Untreated sample	Treated sample	Value of Antibacterial Activity (R)#
	Average of logarithmic value of viable cell count (At T= 45 days)	Average of logarithmic value of viable cell count (At T= 45 days)	
<i>Staphylococcus aureus</i> subsp. <i>Aureus</i> Rosenbach (Methicillin – Resistant Strain) MRSA 抗藥性金黃葡萄球菌 (ATCC 43300)	2.5798	0	2.5798
Vancomycin-Resistant Enterococci (VRE) 抗萬古黴素腸球菌(ATCC 51299)	2.8976	0	2.8976
<i>Escherichia coli</i> 大腸桿菌 (ATCC 25922)	3.3222	0	3.3222
<i>Salmonella typhimurium</i> 鼠傷寒沙門氏菌 (ATCC 14028)	3.6532	0	3.6532
<i>Staphylococcus aureus</i> 金黃色葡萄球菌 (ATCC 6538)	3.6812	0	3.6812



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Bacteria inoculated	Untreated sample	Treated sample	Value of Antibacterial Activity (R)#
	Average of logarithmic value of viable cell count (At T= 45 days)	Average of logarithmic value of viable cell count (At T= 45 days)	
<i>Pseudomonas aeruginosa</i> 銅綠假單胞菌 (ATCC 9027)	3.6628	0	3.6628

Notes: - # denotes the value of Antibacterial activity (R) must be equal to or greater than 2

- The initial concentration of MRSA was 300,000 CFU/ml
- The initial concentration of VRE was 700,000 CFU/ml
- The initial concentration of *Escherichia coli* was 880,000 CFU/ml
- The initial concentration of *Salmonella typhimurium* was 550,000 CFU/ml
- The initial concentration of *Staphylococcus aureus* was 960,000 CFU/ml
- The initial concentration of *Pseudomonas aeruginosa* was 740,000 CFU/ml

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

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