

Test Report

Date : 2020-09-14
No. : HC20090182

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Applicant (Code: 01315020) : Flow-med GmbH
Weinbergweg 10
73773 Aichwald
Germany

Description of Sample(s) : One submitted sample said to be dry-cap uv 3[®].
Supplier / Manufacturer : Prom HK Ltd
Country of Origin : China
Country of Destination : Germany

Sample(s) Received Condition(s): In paper box under ambient temperature

Date Sample(s) Received : 2020-09-04

Date Tested : 2020-09-08 to 2020-09-10

Investigation Requested : Antimicrobial Effectiveness Test against
- *Escherichia coli* (ATCC 25922)
- *Pseudomonas aeruginosa* (ATCC 9027)
- *Salmonella typhimurium* (ATCC 14028)
- *Staphylococcus aureus* (ATCC 6538)

Photo(s):



LAU Yuk Kuen, Joey
Authorized Signatory
Chemical and Food Department
For and on behalf of



The Hong Kong Standards and Testing Centre Ltd.

The Hong Kong Standards and Testing Centre Limited

10 Dai Wang Street, Tai Po Industrial Estate, Tai Po, N.T., Hong Kong

Tel: +852 2666 1888 Fax: +852 2664 4353 Email: hkstc@stc.group Website: www.stc.group

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Method(s) Used:

- 1) A cell suspension was prepared.
- 2) A sterilized plastic film was placed on the suspension (3 trials).
- 3) 0.1ml of the cell suspension was added on the sterilized plastic film.
- 4) Switched on the dry-cap uv 3[®]. Let it stand for 2 hours.
- 5) Transfer the inoculated film to 10ml D/E neutralizing broth (100-fold dilution).
- 5) Step 2 to 5 were repeated with the dry-cap uv 3[®] sample switched off as “control”.
- 6) Total microbial count of the “control” and “trial” were conducted using pour plate method and the plates were incubated at 35°C for 48 hours.
- 7) The number of colonies on plates was counted.

Test Result(s):

Antimicrobial Effectiveness Test

Test Trial (s)	dry-cap uv 3 [®]	
	<i>Escherichia coli</i> (ATCC 25922)	<i>Pseudomonas aeruginosa</i> (ATCC 9027)
Average of controls (CFU/ml)	860,000	700,000
Average of samples (CFU/ml)	<1	<1
Microbial Reduction Rate	>99.99%	>99.99%

Test Trial (s)	dry-cap uv 3 [®]	
	<i>Salmonella typhimurium</i> (ATCC 14028)	<i>Staphylococcus aureus</i> (ATCC 6538)
Average of controls (CFU/ml)	950,000	1,200,000
Average of samples (CFU/ml)	<1	<1
Microbial Reduction Rate	>99.99%	>99.99%

Notes : -< denotes less than

- CFU/ ml denotes Colony Forming Unit per millilitre

- Microbial Reduction Rate = $\frac{\text{Average of Controls} - \text{Average of Samples}}{\text{Average of Controls}} \times 100$

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

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