



CERTIFICATE OF ANALYSIS

CONTACT: SUKI LIU
CLIENT: GREEN CONTINENT CREATIVE CONCEPTS LIMITED
ADDRESS: UNITS 1221-23, METRO CENTRE II,
21 LAM HING STREET,
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PROJECT: DISINFECTANT EFFICACY TEST ON ESCALATOR
HANDRAIL BELT FOR THE PROTOTYPIC HANDRAIL
DISINFECTION DEVICE - TESTING WITH ENSURE GUARD
AND WIPED WITH 1:99 HOUSEHOLD BLEACHING
SOLUTION

WORK ORDER: HK2034565
SUB BATCH NO.: 0
LABORATORY: HONG KONG
DATE RECEIVED: 07-Sep-2020
DATE OF ISSUE: 22-Sep-2020
SAMPLE TYPE: DISINFECTANT
NO. OF SAMPLES: 1

SPECIFIC COMMENTS

Samples(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition.
The result(s) related only to the item(s) tested.
Testing period: 07-Sep-2020 to 22-Sep-2020
Test method - Applying 3 layers of the disinfectant Ensure Guard onto 3 pcs of escalator handrail belt samples using a regular mist spray applicator after sterilization. The spraying takes place within 24 hours based on the following time intervals: 0 hour, 6th hour and 24th hour and the sprayed samples are then left for 24 hours (1 reaction time), while having the remaining 3 pcs of handrail belt sample as the control. When the specified time interval is reached, wipe the 3 treated handrail samples with the cloth moistened with 1:99 household bleaching solution for 3 times in one direction, then spray the samples with water and wipe the samples again with water moistened cloth for 6 times in one direction, leave the samples for another 24 hours. After that, add each culture onto the surface of the handrail belt samples (the treated samples and the control), waited for 5 minutes then conduct the swab test accordingly.

GENERAL COMMENTS

This is the Final Report and supersedes any preliminary report with this batch number.

Mr Luk Hon Yin, Henry
Senior Microbiologist - Microbiology

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Abbreviations: LOR denotes limit of reporting

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Sub-Batch: 0
Date of Issue: 22-Sep-2020
Client: GREEN CONTINENT CREATIVE CONCEPTS LIMITED

ANALYSIS DESCRIPTION		SAMPLE IDENTIFICATION		
		LABORATORY I.D.	HK2034565-001	
Disinfectant Efficiency Test		DATE SAMPLED	07-Sep-2020	
		SAMPLE I.D.	Ensure Guard	
Inoculated culture		Result	Reduction rate	Log reduction
	Unit	CFU/swab	%	Nil
	LOR	10	0.01	0.01
<i>Escherichia coli</i> (AATCC 25922)	Control	300000	>99.99	>4.48
	Sample	<10		
<i>Staphylococcus aureus</i> (AATCC 6538)	Control	340000	>99.99	>4.53
	Sample	<10		
<i>Candida albicans</i> (ATCC 10231)	Control	260000	99.97	3.51
	Sample	80		