

Test Report

Ultra Trace Industrial Safety Hygiene

REPORT NO:

UG/2020/60822A-01

Date: 2020/07/21

Page : 1 of 6



The following sample(s) was/were submitted and identified by/on behalf of applicant as:

Sample Name: UV Potable /cordless Light

Packaging Condition : Please refer to the photo for sample shown at the last page of this report.

Quantity : 1pc, G.W.:0.6 KG

Storage Condition : Room temperature

Item No. : CL-UVC-P01 Cordless

Lot/Batch No. : 202003

Date of Manufacturing : 2020/06

Date of Expiry : 25,000 Hours

Sample Received: 2020/06/15

Date of Testing: 2020/06/15 to 2020/07/21

Test Requested : Antibacterial Effectiveness Test

Test Method: With reference to client's specific method. Put 100uL around 10^7 CFU bacteria solution into glass slide. Place the product above the glass slide. Turning on the sample and analyzing bacteria counts before and after processing at defined time .

Test Results: -Please refer to next page(s)-

Shin Jyh Chen
Shin-Jyh Chen, Manager
Signed for and on behalf of
SGS Taiwan Ltd.



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Page : 2 of 6



Test Results:

At 2cm of sample

Test Item	Contact time	Counts of the sample at contact time (CFU/mL)	Elimination Rate (%)
<i>Candida albicans</i>	0 sec	1.6×10^6	---
	2 secs	8.9×10^3	99.4
	5 secs	3.1×10^2	>99.9
	10 secs	7.2×10^1	>99.9
<i>Pseudomonas aeruginosa</i>	0 sec	1.1×10^6	---
	2 secs	5.0×10^1	>99.9
	5 secs	<1	>99.9
	10 secs	<1	>99.9
<i>Klebsiella pneumoniae</i>	0 sec	1.8×10^6	---
	2 secs	2.4×10^3	99.9
	5 secs	9.0×10^1	>99.9
	10 secs	1.0×10^0	>99.9
<i>Enterococcus faecalis</i>	0 sec	1.0×10^6	---
	2 secs	2.1×10^3	99.8
	5 secs	1.9×10^2	>99.9
	10 secs	6.0×10^1	>99.9
<i>Bacillus subtilis</i> subsp.	0 sec	3.0×10^6	---
	2 secs	9.2×10^3	99.7
	5 secs	2.5×10^2	>99.9
	10 secs	1.0×10^1	>99.9
<i>Streptococcus mutans</i>	0 sec	1.3×10^6	---
	2 secs	8.0×10^3	99.4
	5 secs	1.0×10^2	>99.9
	10 secs	4.0×10^1	>99.9

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REPORT NO:

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Page : 3 of 6



Test Item	Contact time	Counts of the sample at contact time (CFU/mL)	Elimination Rate (%)
<i>Escherichia coli</i>	0 sec	3.2×10^6	- - -
	2 secs	2.9×10^4	99.1
	5 secs	1.2×10^3	>99.9
	10 secs	6.0×10^2	>99.9
<i>Staphylococcus aureus subsp. Aureus</i>	0 sec	2.8×10^6	- - -
	2 secs	9.0×10^4	96.7
	5 secs	8.4×10^3	99.7
	10 secs	5.0×10^2	>99.9
<i>Salmonella enterica subsp. Enteric</i>	0 sec	8.1×10^6	- - -
	2 secs	2.6×10^4	99.7
	5 secs	6.0×10^3	>99.9
	10 secs	3.3×10^2	>99.9

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Page : 4 of 6



At 5cm of sample

Test Item	Contact time	Counts of the sample at contact time (CFU/mL)	Elimination Rate (%)
<i>Candida albicans</i>	0 sec	1.6×10^6	- - -
	2 secs	9.0×10^4	95.1
	5 secs	2.5×10^3	99.8
	10 secs	2.1×10^2	>99.9
<i>Pseudomonas aeruginosa</i>	0 sec	1.1×10^6	- - -
	2 secs	2.4×10^2	>99.9
	5 secs	6.0×10^0	>99.9
	10 secs	<1	>99.9
<i>Klebsiella pneumoniae</i>	0 sec	1.8×10^6	- - -
	2 secs	1.9×10^4	99.0
	5 secs	4.1×10^3	99.8
	10 secs	4.0×10^0	>99.9
<i>Enterococcus faecalis</i>	0 sec	1.0×10^6	- - -
	2 secs	9.0×10^4	95.1
	5 secs	3.2×10^3	99.7
	10 secs	2.7×10^2	>99.9
<i>Bacillus subtilis</i> subsp.	0 sec	3.0×10^6	- - -
	2 secs	2.8×10^5	84.8
	5 secs	1.2×10^5	93.5
	10 secs	9.0×10^2	>99.9
<i>Streptococcus mutans</i>	0 sec	1.3×10^6	- - -
	2 secs	1.5×10^5	89.1
	5 secs	1.0×10^5	92.5
	10 secs	1.6×10^3	99.9

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Page : 5 of 6



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<i>Escherichia coli</i>	0 sec	3.2×10^6	- - -
	2 secs	4.0×10^4	98.8
	5 secs	2.1×10^4	99.3
	10 secs	2.4×10^3	>99.9
<i>Staphylococcus aureus subsp. Aureus</i>	0 sec	2.8×10^6	- - -
	2 secs	3.0×10^5	89.1
	5 secs	2.5×10^4	99.1
	10 secs	1.4×10^3	>99.9
<i>Salmonella enterica subsp. Enteric</i>	0 sec	8.1×10^6	- - -
	2 secs	1.1×10^5	98.6
	5 secs	7.4×10^4	99.1
	10 secs	1.1×10^3	>99.9

NOTE :

- 1.The test report merely reflects the test results of the consigned matters of the client and is not a certification of the legitimacy of the related products.
- 2.All items in this testing report is based on the request from client and we are responsible for that.
- 3.The content of this report is invalid if it is not presented as the entire report.

- END -

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Page : 6 of 6



Sample Photo

UG/2020/60822



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