

Test Report

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

Sample Name: UV Portable Light(AC version)

Packaging Condition : Please refer to the photo for sample shown at the last page of this report.
Quantity : 1 PC,G.W.:1.0 Kg
Storage Condition : Room temperature
Item No. : USG-UVC-903 Cord
Lot/Batch No. : 202003

Date of Manufacturing : 2020/04
Date of Expiry : 25,000hrs
Sample Received: 2020/05/08
Date of Testing: 2020/05/08 to 2020/06/24
Test Requested : Antibacterial Effectiveness Test
Test Method: With reference to client's specific method. Put 100uL around 10⁷ 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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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	1.7×10^6	---
	5 secs	<1	>99.9
	10 secs	<1	>99.9
	15 secs	<1	>99.9
<i>Pseudomonas aeruginosa</i>	0 sec	2.4×10^6	---
	5 secs	<1	>99.9
	10 secs	<1	>99.9
	15 secs	<1	>99.9
<i>Klebsiella pneumoniae</i>	0 sec	1.2×10^6	---
	5 secs	9.0×10^0	>99.9
	10 secs	<1	>99.9
	15 secs	<1	>99.9
<i>Enterococcus faecalis</i>	0 sec	1.3×10^6	---
	5 secs	<1	>99.9
	10 secs	<1	>99.9
	15 secs	<1	>99.9
<i>Bacillus subtilis</i> subsp.	0 sec	1.3×10^6	---
	5 secs	<1	>99.9
	10 secs	<1	>99.9
	15 secs	<1	>99.9
<i>Streptococcus mutans</i>	0 sec	2.0×10^6	---
	5 secs	<1	>99.9
	10 secs	<1	>99.9
	15 secs	<1	>99.9

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Test Item	Contact time	Counts of the sample at contact time (CFU/mL)	Elimination Rate (%)
<i>Escherichia coli</i>	0 sec	4.7×10^6	---
	5 secs	<1	>99.9
	10 secs	<1	>99.9
	15 secs	<1	>99.9
<i>Staphylococcus aureus subsp. Aureus</i>	0 sec	3.7×10^6	---
	5 secs	<1	>99.9
	10 secs	<1	>99.9
	15 secs	<1	>99.9
<i>Salmonella enterica subsp. Enteric</i>	0 sec	7.5×10^6	---
	5 secs	<1	>99.9
	10 secs	<1	>99.9
	15 secs	<1	>99.9

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At 12cm of sample

Test Item	Contact time	Counts of the sample at contact time (CFU/mL)	Elimination Rate (%)
<i>Candida albicans</i>	0 sec	1.7×10^6	---
	5 secs	2.0×10^1	>99.9
	10 secs	<1	>99.9
	15 secs	<1	>99.9
<i>Pseudomonas aeruginosa</i>	0 sec	2.4×10^6	---
	5 secs	8.0×10^0	>99.9
	10 secs	<1	>99.9
	15 secs	<1	>99.9
<i>Klebsiella pneumoniae</i>	0 sec	1.2×10^6	---
	5 secs	4.4×10^2	>99.9
	10 secs	1.6×10^2	>99.9
	15 secs	6.4×10^1	>99.9
<i>Enterococcus faecalis</i>	0 sec	1.3×10^6	---
	5 secs	1.0×10^0	>99.9
	10 secs	<1	>99.9
	15 secs	<1	>99.9
<i>Bacillus subtilis</i> subsp.	0 sec	1.3×10^6	---
	5 secs	2.4×10^3	99.8
	10 secs	2.3×10^2	>99.9
	15 secs	1.7×10^2	>99.9
<i>Streptococcus mutans</i>	0 sec	2.0×10^6	---
	5 secs	2.0×10^1	>99.9
	10 secs	3.0×10^0	>99.9
	15 secs	<1	>99.9

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Test Item	Contact time	Counts of the sample at contact time (CFU/mL)	Elimination Rate (%)
<i>Escherichia coli</i>	0 sec	4.7×10^6	---
	5 secs	4.0×10^1	>99.9
	10 secs	8.0×10^0	>99.9
	15 secs	<1	>99.9
<i>Staphylococcus aureus subsp. Aureus</i>	0 sec	3.7×10^6	---
	5 secs	3.1×10^3	99.9
	10 secs	2.1×10^2	>99.9
	15 secs	1.0×10^2	>99.9
<i>Salmonella enterica subsp. Enteric</i>	0 sec	7.5×10^6	---
	5 secs	1.3×10^2	>99.9
	10 secs	7.0×10^0	>99.9
	15 secs	<1	>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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Sample Photo

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