

Test Report

NBF25-0010805-01

Date: 2025-06-20

Client Name: MASSPHOTON LIMITED

Client Address: Unit 542, 5F, Building 5W, Phase One, Hong Kong Science Park, New Territories, Hong Kong

Sample Name: UVC LED Water Disinfection System

Sample Batch No.: 20250518001

Production Date: 20250518

Manufacturer: MASSPHOTON LIMITED

Sample other information: Model Name: MP-UVC-70L

Above information and sample(s) was/were submitted and certified by the client, SGS quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

SGS reference No.: SUES2505000967HS

Date of Sample Received: 2025-05-29

Testing Period: 2025-05-29 ~ 2025-06-20

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).



SGS Approved Signatory

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Date: 2025-06-20

Sample Description:

Sample No.	SGS Sample ID	Description
1	NBF25-0010805-0001	UVC LED Water Disinfection System, Quantity: 1 set

Test Requested:

Selected test(s) as requested by applicant:

Flush the sample with sterile pure water, then add spiked water, take water sample at startup of operating life for testing Colony count.

Test Strain(s):

Escherichia coli ATCC 25922

Test Method:

Challenge Testing: Refer to Client method

Colony count: ISO 6222:1999 Water quality - Enumeration of culturable micro-organisms - Colony count by inoculation in a nutrient agar culture medium

Test Result(s):

Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s) %
			Influent spiked water	Effluent sterilized water	
Colony count (Spiked strain: <i>Escherichia coli</i>)	CFU/mL	ISO 6222:1999	1.1×10^5	<1	>99.999

Remark:

- *Removal rate (%) = (test result of Influent spiked water - test result of Effluent sterilized water) / test result of Influent spiked water $\times 100\%$.
- The flow rate is 70 L/min



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Date: 2025-06-20

Sample photo:



NBF25-0010805-0001

SGS authenticate the photo on original report only

Attention:

Unless otherwise stated the results shown in this report refer only to the items tested.

*** End ***



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