Test Report

NBF25-0009163-01 **Date:** 2025-05-29

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.:	20250418001
Production Date:	20250418
Manufacturer:	MASSPHOTON LIMITED
Sample other information:	Model Name：MP-UVC-48L

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.:	SHES2505007997HS
Date of Sample Received:	2025-05-13
Testing Period:	2025-05-13 ~ 2025-05-29
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

Scan to see the report

NBF25-0009163-01

Verification: check.sgsonline.com.cn

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Sample Description:

Sample No.	SGS Sample ID	Description
1	NBF25-0009163-0001	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: *Escherichia coli*）	CFU/mL	ISO 6222:1999	1.7×10^5	<1	>99.999

Remark:
1. *Removal rate (%) = (test result of Influent spiked water - test result of Effluent sterilized water) / test result of Influent spiked water×100%.
2.The flow rate is 48 L/min

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Sample photo:



NBF25-0009163-0001

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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