

Test Report

NBF24-0021234-01

Date: 2024-12-13

Client Name: Shenzhen Hechuang Hitech Co., Ltd.

Client Address: #101-1, Plant 1-1, Egongling West Rd., St. Pingdi, Longgang, Shenzhen, China

Sample Name: UVC LED Water Sterilizer

Sample Batch No.: /

Production Date: /

Manufacturer: /

Sample other information: Trade Mark: innest Model Name: UVC-LED Water Sterilizer

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.: GZES2411021813

Date of Sample Received: 2024-11-20

Testing Period: 2024-11-20 ~ 2024-12-13

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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Verification:
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Test Report

NBF24-0021234-01

Date: 2024-12-13

Sample Description:

Sample No.	SGS Sample ID	Description
1	NBF24-0021234-0001	UVC LED Water Sterilizer, quantity: 1 set

Test Requested:

Selected test(s) as requested by applicant:

Flush the sample with sterile pure water, add spiked water and then turn on the power, take filtrated water for testing *Escherichia coli* bacteriophage MS2 at startup of operating life.

Test Strain(s):

Escherichia coli bacteriophage MS2 ATCC 15597-B1—Coliphage

Escherichia coli ATCC 700891—Host bacteria

Test Method:

Challenge Testing: Refer to NSF/ANSI 55-2012: Ultraviolet Microbiological Water Treatment Systems

Escherichia coli bacteriophage MS2: Refer to USEPA method 1602 Male-specific (F⁺) and somatic coliphage in water by single agar layer (SAL) procedure

Test Result(s):

Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s) %
			Influent spiked water	Effluent sterilized water	
<i>Escherichia coli</i> bacteriophage MS2	PFU/mL	USEPA method 1602	8.0×10 ⁵	<1	>99.99

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 2 L/min



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Sample photo:



NBF24-0021234-0001

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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