



中国认可  
国际互认  
检测  
TESTING  
CNAS L0823



# 广州市微生物研究所有限公司

Guangzhou Institute of Microbiology Co., Ltd.

## 检测报告

## TEST REPORT

Report Number

XJ20213205

Name of Sample

Washing Foun tainer

Applicant

DONGGUAN JINLING ELECTRONIC  
TECHNOLOGY CO., LTD



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Test No.: XJ20213205

GUANGZHOU INSTITUTE OF MICROBIOLOGY CO., LTD.

TEST REPORT

Date Received: Sep. 14, 2021

Date Analyzed: Sep. 17, 2021

Name of Sample	Washing Foun tainer	Test Type	Commissioned
Applicant	DONGGUAN JINLING ELECTRONIC TECHNOLOGY CO., LTD	Sample Source	Delivery
Manufacturer	DONGGUAN JINLING ELECTRONIC TECHNOLOGY CO., LTD	Type and Specification	JDXDJ-001
State of Sample	Machine	Batch Number	/
Packing of Sample	/	Date of Production	/
Quantity of Sample	One set	Brand	JinLing brand
Standard and Methods	<i>GB 28232-2020 Hygienic requirements for ozone disinfectant appendix A.2.1</i> Technical Standard For disinfection(2002) 2.1.5 Sterilization and disinfection equipment disinfection efficacy appraisal test		
Items of Analysis	1. ozone content 2. Killing Rate( <i>Escherichia coli</i> 8099、 <i>Staphylococcus aureus</i> ATCC 6538)		
Remarks	Preparation of ozone content sample solution: power on, turn on the faucet, turn it on, and take a water sample for testing after 30 minutes of timing. This test report is the English additional Edition of XJ20213205 issued on Sep.26,2021.		

Test results

I. ozone content

Number of Sample	Items	Results
XJ20213205-1	Ozone content, mg/L	2.80

\*\*\*To be continued\*\*\*



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2. Killing Rate.

Test method

1. Test equipment

- 1) Medium: Nutrient agar medium (NA) .
- 2) Test strains: *Escherichia coli* 8099、 *Staphylococcus aureus* ATCC 6538.
- 3) Carrier: cloth piece (10mm×10mm)

2. Test steps

- 1) Preparation of bacteria tablet: Pipette 10 μL of bacterial suspension to each carrier, and the number of bacteria recovered per tablet should be  $5 \times 10^5$  cfu/ pcs ~  $5 \times 10^6$  cfu/ pcs.
- 2) The prototype was powered on and tested 30 minutes later. The microbe is placed in the center of the bottom of the beaker, and the outlet of the prototype is close to the inner wall of the beaker, and the generated liquid flows down the inner wall.
- 3) Immediately after the test, put the two slides into a test tube containing 5.0ml PBS, oscillate and count the live bacteria culture.
- 4) Take the same batch of bacteria used in the test as the positive control group and count the live bacteria culture.
- 5) Repeat the above test 3 times.

Test Results

Test time	Testing Strains	Bacteria Count of Control (cfu/pcs)	Bacteria Count of Sample (cfu/pcs)	Killing Logarithm value	Killing Rate* (%)
15min	<i>Escherichia coli</i>	$3.80 \times 10^6$	$2.75 \times 10^3$	>3.00	99.928
		$3.75 \times 10^6$	$2.85 \times 10^3$	>3.00	99.924
		$3.85 \times 10^6$	$2.70 \times 10^3$	>3.00	99.930
	<i>Staphylococcus aureus</i>	$1.93 \times 10^6$	$1.29 \times 10^4$	2.17	99.332
		$2.00 \times 10^6$	$1.28 \times 10^4$	2.19	99.360
		$2.03 \times 10^6$	$1.27 \times 10^4$	2.20	99.374

Note: 1) No bacterial growth in negative control group.

2) Killing Rate (%) =  $\frac{\text{Bacteria Count of Control (cfu/pcs)} - \text{Bacteria Count of Sample (cfu/pcs)}}{\text{Bacteria Count of Control (cfu/pcs)}} \times 100\%$

3) According to the standard, the suspension quantitative test was repeated three times, the killing logarithm value should be  $\geq 3.00$  respectively, the test sample can be judged as qualified disinfection.

\*\*\* End of report\*\*\*

Editor

Checker

Issuer

Date Reported





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Contact Address: NO.1Jiantashan Road, Huangpu District, Guangzhou City, Guangdong Province

Test Address: (only fill in when it's different from the contact address)

Postal Code: 510663

Tel.: (8620)31606167

(8620)62800791

URL: <http://www.ggtest.com.cn>