



中国认可  
国际互认  
检测  
TESTING  
CNAS L0823



202019005395

# 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

XJ20221450

Name of Sample

PLASMA LED DOWNLIGHT

Applicant

ETI Solid State Lighting (Zhuhai) Ltd





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Test No. XJ20221450

GUANGZHOU INSTITUTE OF MICROBIOLOGY CO., LTD.

## TEST REPORT

Date Received: Apr. 18, 2022

Date Analyzed: Apr. 21, 2022

Name of Sample	PLASMA LED DOWNLIGHT	Test Type	Commissioned
Applicant	ETI Solid State Lighting (Zhuhai) Ltd	Sample Source	Delivery
Manufacturer	ETI Solid State Lighting (Zhuhai) Ltd	Type and Specification	559011010 120-277Vac 50/60Hz 23W
State of Sample	Machine	Batch Number	—
Packing of Sample	—	Date of Production	—
Quantity of Sample	2 PCS	Brand	ETI, Silentaire, Cleansaire, NVC, Blue Halo, Cleansaire Pro
Sample Picture			
Standard and Methods	Technical Standard For disinfection(2002) 2.1.3 Air disinfection effect appraisal test		
Items of Analysis	Sterilization Rate( <i>Staphylococcus albus</i> 8032)		
Remarks	—		

\*\*\* To be continue\*\*\*





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### Test Results

1) 1) Test chamber : 20 m<sup>3</sup> 、 The voltage : 120Vac, 60Hz、 Gear : high – grade、 Both modules are powered on at the same time.

Test Number	Test Time (min)	Control Group		Test Group	
		Bacteria Count (cfu/m <sup>3</sup> )	Natural Decay Rate N <sub>t</sub> (%)	Bacteria Count (cfu/m <sup>3</sup> )	Sterilization Rate K <sub>t</sub> (%)
1	0	1.74×10 <sup>5</sup>	43.33	1.75×10 <sup>5</sup>	99.93
	120	9.86×10 <sup>4</sup>		71	
2	0	1.65×10 <sup>5</sup>	44.12	1.65×10 <sup>5</sup>	99.90
	120	9.22×10 <sup>4</sup>		92	
3	0	1.69×10 <sup>5</sup>	44.32	1.70×10 <sup>5</sup>	99.91
	120	9.41×10 <sup>4</sup>		85	

**Note:** 1) No bacterial growth innegative control group.

2) According to the standard : the results of 3 tests are all ≥99.90% for the killing rate in the air, which is qualified for disinfection.

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

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Date Reported

2022.5.11







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