

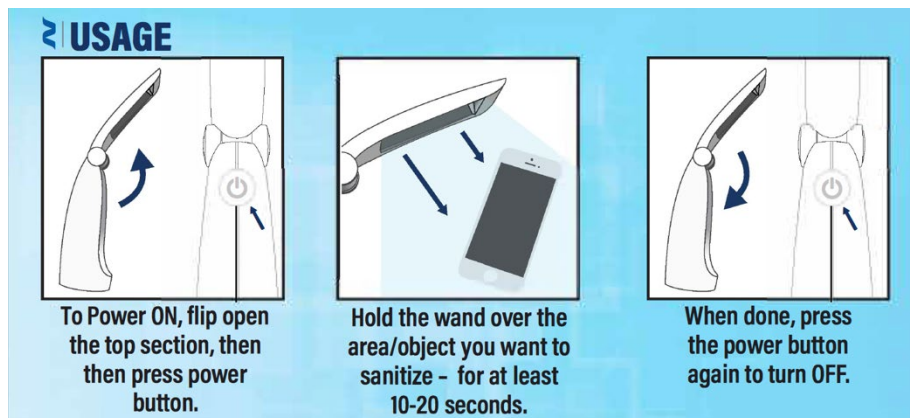
## SAFE & HEALTHY - CLAIM SUBSTANTIATION

**Claim #1: "Proven to kill 99.9% of viruses and bacteria on any surface"**

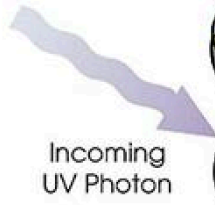
**Claim #2: "Germ free in seconds"**

**Claim #3: "An explanation of UV light technology"**

- For Claims #1 and #2, below are test results from the factory manufacturing our product. This report shows 99.9% effectiveness of UV light on Viruses and Bacteria.
- Viruses and Bacteria are types of germs, so Germ claim is covered as well.
- Safe & Healthy will use same bulb and method of UV germicidal light disinfection as shown in the test reports – results are transferrable and applicable.
- For Claim #3, UV germicidal lights use short-wavelength light (also called UV-C). When UV-C light is applied to surfaces/objects, microorganisms (such as viruses and bacteria) are disabled and unable to replicate or exist, as their nuclear makeup and DNA has been destroyed. To complete the operation, light needs to be applied for at least 10-30 seconds, depending on distance light is held from the object/surface.

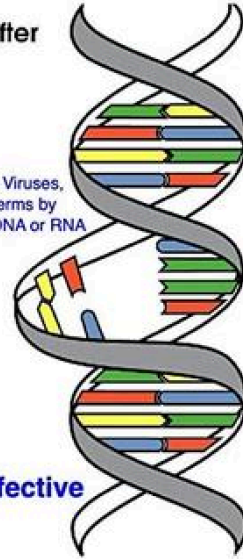


Before



After

UV-C Light kills Viruses, Bacteria and Germs by breaking their DNA or RNA



**99.99% Effective**



## 广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

### 分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2020FM07395R01D

**1. 样品前处理:** 以玻璃为载体, 菌片置于紫外灯正下方 50cm 处, 作用 1 小时。

**Sample pretreatment:** Carrier was glass. The microbe was placed 50cm directly below the uv lamp

**2. 试验结果 Test Result:**

试验菌株 Test Organisms	试验组别 Test groups	对照组平均菌落数 Average cfu of positive controls (cfu/piece)	试验组平均菌落数 Average cfu of testing groups (cfu/piece)	杀灭率 Killing rate (%)	杀灭对数值 Sterilization logarithm
大肠杆菌 ( <i>Escherichia coli</i> ) 8099	1	4.9×10 <sup>6</sup>	8.9×10 <sup>2</sup>	99.98	3.74
	2	4.8×10 <sup>6</sup>	8.9×10 <sup>2</sup>	99.98	3.73
	3	4.6×10 <sup>6</sup>	8.0×10 <sup>2</sup>	99.98	3.73
金黄色葡萄球菌 ( <i>Staphylococcus aureus</i> ) ATCC 6538	1	1.1×10 <sup>6</sup>	8.4×10 <sup>2</sup>	99.92	3.12
	2	1.2×10 <sup>6</sup>	8.2×10 <sup>2</sup>	99.93	3.17
	3	1.2×10 <sup>6</sup>	8.7×10 <sup>2</sup>	99.93	3.14
宋氏志贺氏菌 ( <i>Shigella sonnet</i> ) NICPBP 51592	1	2.1×10 <sup>6</sup>	1.8×10 <sup>3</sup>	99.91	3.06
	2	2.3×10 <sup>6</sup>	1.8×10 <sup>3</sup>	99.92	3.10
	3	2.3×10 <sup>6</sup>	1.8×10 <sup>3</sup>	99.92	3.10

分析  
专用