



中国认可  
国际互认  
检测  
TESTING  
CNAS L0823



202019001121

广州市微生物研究所  
GUANG ZHOU INSTITUTE OF MICROBIOLOGY

检测报告  
TEST REPORT

Report Number

KJ20202227

Name of Sample

Money Sterilization Machine

Applicant

Shenzhen Double Power  
Electronics Co., Ltd.





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Test No. KJ20202227

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TEST REPORT

Date Received: Jun. 04, 2020

Date Analyzed: Jun. 30, 2020

Name of Sample	Money Sterilization Machine	Source of Sample	Delivery
Applicant	Shenzhen Double Power Electronics Co., Ltd.	Client	Mo Lihui
Manufacturer	Shenzhen Double Power Electronics Co., Ltd.	Brand	---
Type and Specification	DP-478	Quantity of Sample	1PC
Date of Production	---	State of Sample	Machine
Batch Number	---	Packing of Sample	In box
Sample Picture			
Standard and Methods	<Technical Standard For Disinfection> 2002-2.1.5 Sterilization and sterilization equipment sterilization efficacy evaluation test		
Items of Analysis	Germicidal Effect ( <i>Escherichia coli</i> 8099)		
Remarks	---		

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





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#### Sterilization and Sterilization Equipment Sterilization Efficacy Evaluation Test

1. Test Bacteria: *Escherichia coli* 8099
2. Culture Media: NA
3. Carrier: Acrobatics stamps
4. Test Procedure
  - 1) Prepare bacterial suspension according to the method shown in <Technical Standard For Disinfection>2002-2.1.1.2, which ensure that each bacterial tablet is  $5 \times 10^5$  cfu/ piece  $\sim 5 \times 10^6$  cfu/ piece.
  - 2) Select 300 pieces of acrobatics stamps after disinfection and sterilization and divide them into 3 equal pieces. Spread the fungus liquid evenly on the first, 50 and 100 acrobatics stamps of each pair. Place them in the center of the disinfection cabinet and close the cabinet door. UV ozone action for 60min, drying for 30min (Mode 1); UV ozone action for 30min, drying for 30min (Mode 2). Immediately after the action, put the bacterial tablets into a sterile test tube containing 5.0 mL PBS, and conduct live bacterial culture count.
  - 3) For the positive control group, the same batch of acrobatics stamps used in the test were used to conduct live bacterial culture count.
  - 4) The negative control group was cultured with the same batch of medium or PBS inoculation medium to observe the sterile growth.
  - 5) Repeat the test for 3 times.

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





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5. Test results:

Test Time (min)	Acrobatics stamps	Number	Killing Rate (%)	Killing Log Value		
90	The first set	1	97.46	1.60		
		The first	2	97.71	1.64	
			3	97.57	1.61	
			1	96.44	1.45	
		The 50th	2	96.59	1.47	
			3	96.40	1.44	
			The 100th	1	97.17	1.55
				2	96.67	1.48
				3	97.12	1.54
	The second set		The first	1	97.50	1.60
		2		97.74	1.65	
		3		97.59	1.62	
		The 50th	1	96.54	1.46	
			2	96.74	1.49	
			3	96.58	1.47	
			The 100th	1	97.21	1.55
				2	96.82	1.50
				3	97.03	1.53
	The third set	The first	1	97.42	1.59	
			2	97.60	1.62	
			3	97.51	1.60	
		The 50th	1	96.25	1.43	
			2	96.51	1.46	
			3	96.31	1.43	
			The 100th	1	96.73	1.49
				2	96.43	1.45
				3	96.67	1.48

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





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Test Time (min)	Acrobatics stamps	Number	Killing Rate (%)	Killing Log Value		
60	The first set	1	92.26	1.11		
		The first	2	92.03	1.10	
			3	91.95	1.09	
			1	91.32	1.06	
		The 50th	2	91.49	1.07	
			3	91.22	1.06	
			The 100th	1	92.83	1.14
				2	92.43	1.12
				3	92.83	1.14
	The second set		The first	1	92.64	1.13
		2		92.30	1.11	
		3		92.20	1.11	
		The 50th	1	90.94	1.04	
			2	91.22	1.06	
			3	90.98	1.04	
		The 100th	1	93.58	1.19	
			2	92.16	1.11	
			3	92.93	1.15	
	The third set	The first	1	91.89	1.09	
			2	91.76	1.08	
			3	91.46	1.07	
		The 50th	1	90.38	1.02	
			2	91.08	1.05	
			3	90.24	1.01	
The 100th		1	92.08	1.10		
		2	92.70	1.14		
		3	92.83	1.14		

Note: 1) The negative control group was sterile growth.

2) Killing Rate (%) =  $\frac{\text{Positive Control Group (cfu / piece)} - \text{The Sample Group (cfu / piece)}}{\text{Positive Control Group (cfu / piece)}} \times 100\%$

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

Editor

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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)61302671*

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