

## Test report

The sample(s) listed below was/were submitted and identified on behalf of the applicant/vendor

**Applicant/Vendor** : Shenzhen Vkk Technology Co., Ltd  
402, Building15, Chuangke Town, No. 4109, Liuxian Avenue, Nanshan dist.,  
Shenzhen, China

**Manufacturer** : Shenzhen Vkk Technology Co., Ltd  
402, Building15, Chuangke Town, No. 4109, Liuxian Avenue, Nanshan dist.,  
Shenzhen, China

**Product Description** : Hypochlorous acid Generator  
**Trade Mark** : /  
**Model/Item/SKU#** : VH0201, VH0202, VH0203, VH0204, VH0205.  
They have identical except model number is different.

**Electrical Rating** : 5V, 2A

**Sample Receiving Date** : 24/04/2020  
**Test Period** : 28/04/2020 to 05/06/2020



**Test Standard and Method** : Refer to Technical Standard for Disinfection (2002 Ministry of Health P.R.China) - 2.1.1.7.4 etc.

**Item Tested** : Please refer to next page(s)

**Revised Report?** : No **If Yes, Previous Report** : /  
**Reason of Revision** : /

**Test Result** : Please refer to next page(s)

**Summary of Failed Item(s)** : /

**Remark** : 1. Unless otherwise stated, the results shown in this test report refer only to the sample(s) submitted.  
2. The test was carried out by external laboratory which is assessed as competent.

Signed for and on behalf of  
SGS-CSTC Standard Technical Services Co., Ltd. Guangzhou Branch

Authorized Signature  
Robin Lu



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**1. Item tested:**

- Suspension quantitative germicidal test

**Test standard and method:**

- Technical Standard for Disinfection (2002 Ministry of Health P.R.China)-2.1.1.7.4 Suspension quantitative germicidal test, 2.1.1.9 Fungicidal experiment.

**Action concentration and time**

- Original liquid (350ml pure water +3g salt, electrolysis for 5 minutes to produce liquid); 30min

**Test result:**

The tested organism	Serial No.	The number of bacteria in the control sample (cfu/mL)	The average number of bacteria in the control group (cfu/mL)	The logarithm of the number of bacteria in positive control sample	The number of bacteria in the test sample (cfu/mL)	Sterilization logarithm	Killing rate (%)
Escherichia coli 8099	1	3.1 x 10 <sup>7</sup>	3.5 x 10 <sup>7</sup>	7.54	<10	>5.00	>99.9999
	2	3.6 x 10 <sup>7</sup>			<10	>5.00	>99.9999
	3	3.9 x 10 <sup>7</sup>			<10	>5.00	>99.9999
Staphylococcus aureus ATCC 6538	1	4.4 x 10 <sup>7</sup>	4.4 x 10 <sup>7</sup>	7.64	<10	>5.00	>99.9999
	2	4.8 x 10 <sup>7</sup>			<10	>5.00	>99.9999
	3	4.1 x 10 <sup>7</sup>			<10	>5.00	>99.9999
Pseudomonas aeruginosa ATCC 15442	1	3.2 x 10 <sup>7</sup>	3.7 x 10 <sup>7</sup>	7.57	<10	>5.00	>99.9999
	2	4.2 x 10 <sup>7</sup>			<10	>5.00	>99.9999
	3	3.6 x 10 <sup>7</sup>			<10	>5.00	>99.9999
Candida albicans ATCC 10231	1	2.0 x 10 <sup>6</sup>	2.4 x 10 <sup>6</sup>	6.38	1.2 x 10 <sup>2</sup>	4.22	99.994
	2	2.4 x 10 <sup>6</sup>			1.6 x 10 <sup>2</sup>	4.30	99.993
	3	2.9 x 10 <sup>6</sup>			2.3 x 10 <sup>2</sup>	4.10	99.992



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**2. Item tested:**

- Field test of disinfect efficacy on fruits and vegetables for disinfections

**Test standard and method:**

- Technical Standard for Disinfection (2002 Ministry of Health P.R.China)-2.1.2.10

**Object of disinfection:**

- Work Surface

**Action concentration and time:**

- Original liquid (350ml pure water +3g salt, electrolysis for 5 minutes to produce liquid); 10min

**Test result:**

No.	The number of bacteria in control group (cfu/sample)	The number of bacteria in test group (cfu/sample)	Sterilization logarithm	No.	The number of bacteria in control group (cfu/sample)	The number of bacteria in test group (cfu/sample)	Sterilization logarithm	
1	7.1×10 <sup>2</sup>	60	1.07	16	6.0×10 <sup>3</sup>	28	1.34	
2	2.8×10 <sup>3</sup>	1.2×10 <sup>2</sup>	1.36	17	4.2×10 <sup>2</sup>	33	1.11	
3	5.7×10 <sup>2</sup>	43	1.12	18	1.8×10 <sup>3</sup>	58	1.48	
4	6.6×10 <sup>2</sup>	33	1.31	19	4.3×10 <sup>2</sup>	33	1.12	
5	2.3×10 <sup>3</sup>	1.4×10 <sup>2</sup>	1.23	20	1.5×10 <sup>3</sup>	15	1.99	
6	1.7×10 <sup>3</sup>	50	1.53	21	5.3×10 <sup>2</sup>	38	1.15	
7	6.8×10 <sup>2</sup>	23	1.48	22	1.5×10 <sup>3</sup>	10	2.18	
8	3.6×10 <sup>3</sup>	2.3×10 <sup>2</sup>	1.19	23	2.2×10 <sup>3</sup>	40	1.74	
9	2.1×10 <sup>3</sup>	60	1.54	24	5.8×10 <sup>2</sup>	43	1.14	
10	5.4×10 <sup>2</sup>	23	1.38	25	1.9×10 <sup>3</sup>	93	1.31	
11	4.8×10 <sup>2</sup>	40	1.08	26	4.3×10 <sup>2</sup>	35	1.09	
12	4.0×10 <sup>2</sup>	23	1.25	27	3.7×10 <sup>2</sup>	30	1.09	
13	3.7×10 <sup>3</sup>	2.4×10 <sup>2</sup>	1.19	28	5.8×10 <sup>2</sup>	38	1.19	
14	1.1×10 <sup>3</sup>	50	1.34	29	1.9×10 <sup>3</sup>	63	1.47	
15	6.8×10 <sup>2</sup>	48	1.16	30	2.1×10 <sup>3</sup>	1.1×10 <sup>2</sup>	1.29	
Average						1.3×10 <sup>3</sup>	61	1.33



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**3. Item tested:**

- pH
- Effective available content

**Test standard and method:**

- Technical Standard for Disinfection (2002 Ministry of Health P.R.China) -2.2.1.4.
- Technical Standard for Disinfection (2002 Ministry of Health P.R.China) -2.2.1.2.1

No.	Test Solution	Test Item	Test Result
1	Dissolved 3g uniodized snow crystal salt (Yue salt) into 350mL pure water and poured into the machine to electrolytic for 5 minutes	pH (25°C)	9.24
2		Effective available content	168 mg/L

--- End of Report ---



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