

## Test Report

Number: GZHH0036655201

Applicant: TV Products International Ltd.  
Unit 2708, 27 Floor, Greenfield Tower, Concordia Plaza,  
No.1 Science Museum Road, Tsimshatsui, Kowloon, Hong Kong

Date: Jun 01, 2020

### Sample Description:

One (1) style of submitted sample said to be :  
Item Name : **H2O e3 S-water.**  
Item Quantity : 3 bottle@ 3 times.  
Item Batch : **31 mar 2020.**  
Item Description : 450ml tap water, 3g salt, 2.1ml vinegar, Electrolysis 10 mins.  
Date Sample Received : Apr 08, 2020



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### Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

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Intertek GM Testing Service Zhuhai Co. Ltd.

Sarah Xu  
Asst. Manager  
Healthcare and Beauty Products



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Tests Conducted

1 Virus Killing Test #

**Killing Test:**

1. Test Supplies

1) Strain: *Influenza A virus A/PR8/34 H1N1*

2) Cells: MDCK cell

3) Neutralizer: 3% tween , 1% sodium thiosulfate cell culture medium

2. Test Conditions

Test time: 10 min

3. Test Procedure

1) Cytotoxicity Test: ①test sample + neutralizer, ②test sample +PBS buffer, ③neutralizer, ④PBS buffer was mixed and placed at room temperature for 10min. Various samples were added to MDCK cells and incubated for 2 ~ 5 days to observe the cell growth status and evaluate the toxicity to cells.

2) Neutralizer Appraisal Test: to evaluate the candidate neutralizer, experiment scheme and evaluation standards with reference to <Technical Standard For Disinfection> 2002- 2.1.1.10.5 residues liquefaction evaluation test of neutralization, ①test samples + virus suspension, ②test samples + virus suspension, ③ test samples + neutralizer , ④ neutralizer, ⑤ PBS buffer + virus suspension, blending at room temperature after a certain period of time. PBS buffer was added in the group ① , group ② added neutralizer, group ③④ added virus suspension, mixed, placed at room temperature for a certain time. Normal cells were controlled and the experiment was repeated 3 times.

3) Virus Killing Test: according to <Technical Standard For Disinfection> 2002, the test sample acted with *Influenza A virus H1N1* for 10 min, and the experiment was set as a blank control, and the test was repeated three times.

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4. Test Results

Table 1 Results of Neutralization Test for *Influenza A Virus H1N1*

Group	First Test Log(TCID <sub>50</sub> /ml)	Second Test Log(TCID <sub>50</sub> /ml)	Third Test Log(TCID <sub>50</sub> /ml)	Mean Log(TCID <sub>50</sub> /ml)
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	6.00	6.00	6.33	6.11
4	6.50	6.00	6.33	6.28
5	6.33	6.33	6.50	6.39
6	Normal cell growth			

Table 2 Efficacy of Test Samples Against *Influenza A Virus H1N1*

Test Time (min)	Virus	Group	First Test Log(TCID <sub>50</sub> /ml)	Second Test Log(TCID <sub>50</sub> /ml)	Third Test Log(TCID <sub>50</sub> /ml)	Mean Log(TCID <sub>50</sub> /ml)	Mean Inactivation Log Value	Killing Rate (%)
10	A/PR8/34 (H1N1)	Test Group	0.00	0.00	0.00	0.00	6.11	>99.99
		Control Group	6.33	6.00	6.00	6.11		

Remark: #=This test was conducted by Intertek authorized subcontract lab

Date sample received: Apr 13, 2020

Testing period: Apr 14, 2020 to May 25, 2020

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End of report

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