

## Test report

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

**Applicant/Vendor** : COPERNICUS EDUCATIONAL PRODUCTS INC.  
COUNTY RD 109 ARTHUR, ONTARIO N0G1A0 CANADA

**Manufacturer** : copernicus (zhongshan) educational products inc.  
NO67, Guangdfu Avenue, Dongsheng Town, Zhongshan City, Guangdong Province

**Sample Name** : FTT-UV

**Model/Item** : UV Tech Tub

**Electrical Rating** : /

**Sample Source** : Submitted for Testing by the Applicant

**Sample Received Date** : 10 Sept 2020

**Test Period** : 11 Sept 2020 - 29 Sept 2020

**Test Requested** : Selected test(s) as requested by client.

**Test Method** : Refer to Technical Standard for Disinfection (2002 Ministry of Health P.R. China)- 2.1.5.5

**Test Item Name** : Please refer to next page(s).

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



**Remark** : 1. The test was carried out by external laboratory which is assessed as competent.  
2. Unless otherwise stated the results shown in this test report refer only to the items tested, and for clients internal use only, not to the society has the proof function. This document cannot be used for publicity, without prior written approval of the SGS.

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

*Robin Lu*

Authorized Signature  
Robin Lu



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**Test Item:** Validation of disinfection efficacy of sterilization and disinfection instruments

**Sample pretreatment:**

- The glass was used as the carrier, placed in the middle of the sample and acted for one working cycle (1 minutes)

**Test Result(s):**

Test Organisms	Test Groups	Average number of positive controls (cfu/PCS)	Average number of testing groups (cfu/PCS)	Sterilization logarithm	Killing rate (%)
Escherichia coli ATCC 25922	1	1.7×10 <sup>6</sup>	70	4.38	99.99
	2	1.9×10 <sup>6</sup>	90	4.33	99.99
	3	1.4×10 <sup>6</sup>	30	4.67	99.99
MRSA ATCC 43300	1	4.1×10 <sup>6</sup>	1.1×10 <sup>2</sup>	4.57	99.99
	2	4.4×10 <sup>6</sup>	1.4×10 <sup>2</sup>	4.49	99.99
	3	4.2×10 <sup>6</sup>	1.2×10 <sup>2</sup>	4.54	99.99
Streptococcus pyogenes ATCC 19615	1	9.4×10 <sup>5</sup>	20	4.69	99.99
	2	9.6×10 <sup>5</sup>	40	4.38	99.99
	3	9.1×10 <sup>5</sup>	10	4.96	99.99

Refer to next page-



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Test Item: Virus inactivation test

**Sample pretreatment:**

- The glass was used as the carrier to make virus sheet for natural drying, placed in the middle of the sample and acted for one working cycle (1 minutes).

**Test Result(s):**

Virus and host cell	Action time	Groups	Logarithm of infectivity titre value IgTCID <sub>50</sub> /mL	Infectivity titre value TCID <sub>50</sub> /mL	Logarithm reduction value (KL)	Virus inactivation ratio (%)
Influenza A virus H1N1 (A/PR/8/34) Host cell: MDCK	1min	Control group1	5.80	6.31×10 <sup>5</sup>	/	
		Control group2	5.90	7.94×10 <sup>5</sup>		
		Control group3	6.00	1.00×10 <sup>6</sup>		
		Test group1	2.67	4.68×10 <sup>2</sup>	3.13	99.93
		Test group2	2.80	6.31×10 <sup>2</sup>	3.10	99.92
		Test group3	3.00	1.00×10 <sup>3</sup>	3.00	99.90
Human enterovirus 71 Host cell: Vero	1min	Control group1	6.33	2.14×10 <sup>6</sup>	/	
		Control group2	6.20	1.58×10 <sup>6</sup>		
		Control group3	6.41	2.57×10 <sup>6</sup>		
		Test group1	2.33	2.14×10 <sup>2</sup>	4.00	99.99
		Test group2	2.00	1.00×10 <sup>2</sup>	4.20	99.99
		Test group3	2.33	2.14×10 <sup>2</sup>	4.08	99.99

**Remark:** The results of the negative control group grew well. The results met all the requirements of the evaluation criteria.

--- End of Report ---



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