

**Report No.:** 158243358a 001

Page 1 of 4

**Client:** ASUS TEK COMPUTER INC.

**Contact Information:** No.15, Li-Te Rd., Peitou, Taipei 112, Taiwan, R.O.C.

**Test item(s):** Plastic material

**Identification/** LCD monitor

**Model No(s):** VY279HE-W

**Sample obtaining method:** Sending by customer

**Condition at delivery:** Test item complete and undamaged.

**Sample Receiving date:** 2021-11-18

**Testing Period:** 2021-11-30 to 2021-12-16

**Place of testing:** Chemical laboratory Hong Kong

**Test Specification:**

Customer's requirement:

Ref. ISO 22196-2011

Antimicrobial Activity and Efficacy Testing

**Test result:**

Please refer to result  
page

**Other information:**

Remark: Plastic Material: ASUS BacGuard-PL-03-01 (from LOTTE ABF-0200E that contains CAS No. 308069-3 9-8/EPA 73148-1)

For and on behalf of  
TÜV Rheinland Hong Kong Ltd.

2022-01-07

Date



Andy Ng / Technical Manager

Name/Position

*Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.*

*This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.*

*"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.*

**Test Report No.: 158243358a 001**

Page 2 of 4

**Material List:**

Item: LCD monitor  
VY279HE-W

Material No.	Material	Color	Location
M001	Plastic	White	VY279HE-W

**Antimicrobial Activity and Efficacy Testing**
**Test method:**

With reference to ISO 22196: 2011 Measurement of antibacterial activity on plastics and other non-porous surfaces

**Test Result**

Test No.:	T001			
Material No.:	M001			
Organisms - Bacteria	Control specimen (Contact time: Initial, "A")	Control specimen (Contact time: 24hrs, "B")	Tested specimen (Contact time: 24hours, "C")	Antimicrobial activity
Escherichia coli (ATCC No. 8739)	1.7E+04	9.0E+05	< 10	>4.9
Staphylococcus aureus (ATCC No. 6538P)	2.1E+04	6.6E+05	< 10	>4.8

Abbreviation: < denotes less than  
> denotes more than

Where

A: Average of the number of viable cells of bacteria, in cells/cm<sup>2</sup>, on immediately after inoculation on control specimen.

B: Average of the number of viable cells of bacteria, in cells/cm<sup>2</sup>, on control specimen after 24hrs incubation period.

C: Average of the number of viable cells of bacteria, in cells/cm<sup>2</sup>, on the antimicrobial test specimen after 24hrs incubation period.

**Remark(s):**

- \*1. Antimicrobial activity calculated from (Log B- log C).
- \*2. The result should be based on the submitted sample only, the nature and processing of sample should not be taken into account.
- \*3. The control sample is the plastic film without antimicrobial activity, provided by TUV Rheinland Laboratory.
- \*4. With reference to JIS Z 2801: If the value of antibacterial activity more than 2.0 indicates the tested product with antibacterial effectiveness.

Sample Photos



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