



中国认可
检测
TESTING
CNAS L0599

Test Report

ASH20-056669-02

Date: 29 Oct 2020

Client Name: WENZHOU IVISION OPTICAL CO.,LTD

Client Address: Room 501,floor 5,No.15th, lane 99,Yandang east road,Wenzhou economic and technological development zone,Wenzhou City,Zhejiang Province,China

Sample Name: Polycarbonate /PC

Manufacturer: WENZHOU IVISION OPTICAL CO.,LTD

Sample Batch No.: /

Production Date: /

Above information and sample(s) was/were submitted and certified by the client, SGS quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

SGS Reference No. : NBAFL202001290548

Date of Sample Received : 16 Sep 2020

Testing Period : 16 Sep 2020 - 29 Oct 2020

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

Test Method : Please refer to next page(s).

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

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 improper publicity, without prior written approval of the SGS.



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SGS Authorized Signature

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Test Report

ASH20-056669-02

Date: 29 Oct 2020

Sample Description :

Specimen No.	SGS Sample ID	Description
1	ASH20-056669.002	sample in bag

Test Result(s) :

Test Requested : Test of antimicrobial activity

Test Method : ISO 22196:2011 Measurement of antibacterial activity on plastics and other non-porous surfaces

ASH20-056669.002

Test organism(s)	Escherichia coli ATCC 8739	Staphylococcus aureus ATCC 6538P
Concentration of bacteria (cells/mL)	3.7x10 ⁵	5.6x10 ⁵
Volume of test inoculum (mL)	0.4	0.4
U ₀	4.15	4.05
U _t	5.82	5.86
A _t	-0.20	-0.20
B (cells/cm ²)	6.6x10 ⁵	7.3x10 ⁵
C (cells/cm ²)	<0.63	<0.63
R	6.0	6.1
*The antibacterial activity rate (%)	>99.9	>99.9

Notes :

- 1.The control sample is plastic film without antimicrobial activity, provided by SGS laboratory.
- 2.U₀: the average of the common logarithm of the number of viable bacteria(cells/cm²) recovered from the untreated test specimens immediately after inoculation.
- 3.U_t: the average of the common logarithm of the number of viable bacteria(cells/cm²) recovered from the untreated test specimens after 24 h.
- 4.A_t: the average of the common logarithm of the number of viable bacteria(cells/cm²) recovered from the treated test specimens after 24 h.
- 5.R: the value of antimicrobial activity,R=U_t-A_t.
- 6.* The calculation formula of the antibacterial activity rate is $[(B-C)/B] \times 100\%$;
B: arithmetic average of the numbers of bacteria obtained from control samples after 24 h incubation(cells/cm²);
C: arithmetic average of the numbers of bacteria obtained from samples after 24 h incubation(cells/cm²).
- 7.Pre-treatment: The surface of test specimen was wiped with 70% ethanol, rinsed with sterile water and let it air-dry.

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Sample photo:



SGS authenticate the photo on original report only

*** End ***



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