

SUBJECT **Microbiological Analysis**

TEST LOCATION **TÜV SÜD China**

TÜV SÜD Products Testing (Shanghai) Co., Ltd.

B-3/4, No.1999 Du Hui Road, Minhang District
Shanghai 201108, P.R. China

CLIENT NAME

CLIENT ADDRESS

TEST PERIOD 13-May-2020~21-May-2020

TEST REQUEST Antibacterial Test - with reference to ISO 22196-2011

Prepared By

Bella Xu

(Bella Xu)
Report Drafter

Authorized By

(Steven Zhang)
Authorized Signatory



Note: (1) General Terms & Conditions as mentioned overleaf. (2) The results relate only to the items tested.(3) The test report shall not be reproduced except in full without the written approval of the laboratory.(4) Without the agreement of the laboratory , the client is not authorized to use the test results for unapproved propaganda.

Chemical/Microbiology Laboratory:
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Regional Head Office:
TÜV SÜD Certification and Testing
(China) Co., Ltd.
No.151 Heng Tong Road Shanghai
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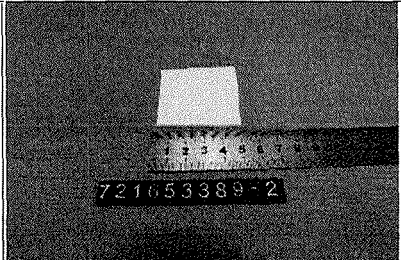
TÜV®

RECEIPT DATE / TEST DATE

13-May-2020/ 13-May-2020

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED**BY/ ON BEHALF OF THE CLIENTS AS:**

Sample Name: ANTIBACTERIAL PEN
 Sample Specification: B02173/ B14582/ B19083/ B19082
 Batch No./Date: /
 Manufacturer: /

SAMPLE NO.	DESCRIPTION	TEST PART	PHOTOGRAPH
721653389-2	White sample	Smooth surface	

TEST METHOD(S)

Antibacterial Test

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

TEST ORGANISM(S)

Escherichia coli ATCC 8739
Staphylococcus aureus ATCC 6538p

TEST RESULT(S)

Name of test bacteria	Concentration of bacteria (CFU/mL)	Volume of test inoculum (mL)	The average(cells/cm ²) of the common Logarithm of the number of viable bacteria recovered			Log value of antimicrobial activity
			/	at "0h" contact time	at "24h" contact time	
<i>Escherichia coli</i> ATCC 8739	8.9×10 ⁵	0.2	721653389-2	/	1.4	4.0
			Control Sample	4.0	5.4	
<i>Staphylococcus aureus</i> ATCC 6538p	7.2×10 ⁵	0.2	721653389-2	/	3.8	1.0
			Control Sample	4.0	4.8	

Note:

- 1.The control Sample provided by TUV laboratory.
- 2.This report is for internal use only such as internal scientific research ,education, quality control, product R&D.

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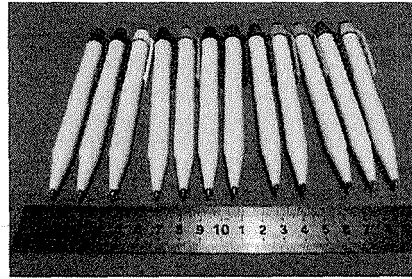
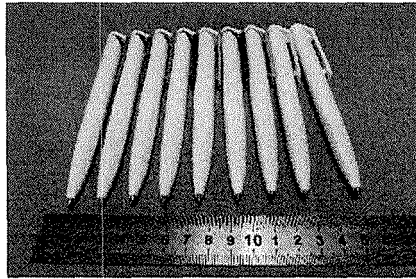
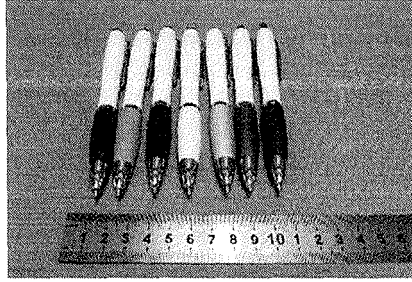
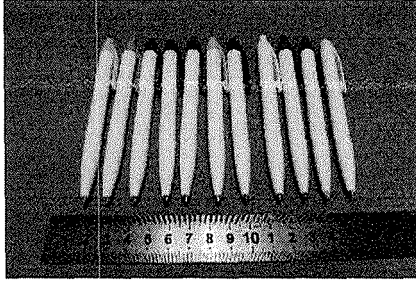
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Finished product pictures:



-END OF THE TEST REPORT-

