

TEST REPORT

Applicant: XX
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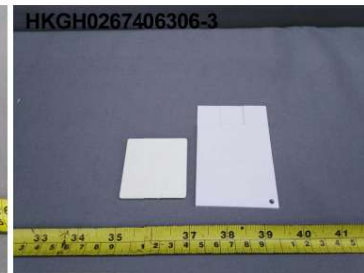
Number: HKGH0267406306 S1

Date: June 10, 2025

Attn: SEAN TANG

*This is to supersede Report No.
HKGH0267406306 dated June 10, 2025
due to information update*

Submitted sample said to be :
Item Name : **anti-bacterial pen**
Model No. : **BP-2173NS**
Quantity : 1 piece & parts
Vendor : 108694
Country of Origin : China



Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) ISO 22196:2011 - Measurement of antibacterial activity on plastics surfaces	See details enclosed

For and on behalf of :
Intertek Testing Services HK Ltd.

Cindy I.K. Chan
Vice President



TEST REPORT

Number : HKGH0267406306 S1

(1) Measurement of antibacterial activity on plastics surfaces

Test Standard : International Standard ISO 22196:2011.

Neutralizing solution: D/E neutralizing broth
Incubation temperature: 35°C
Incubation period: 48 hours
Agar medium: Plate Count Agar
Test culture: *Escherichia coli* (ATCC 8739) <concentration of inoculum: 2.4×10^5 CFU/mL>
Staphylococcus aureus (ATCC 6538) <concentration of inoculum: 7.6×10^5 CFU/mL>
Test specimen: 50 mm x 50 mm flat square of submitted sample
50 mm x 50 mm flat square of untreated sample as control
Test condition: 0.4 mL bacterial inoculum was added onto surface of the test specimen

Result :

Test microorganism	U_o Criteria: $3.7 \leq U_o \leq 4.4$	U_t Criteria: $U_t \geq 1.8$	A_t	Log R	% R	Comment*
<i>Escherichia coli</i>	4.1	5.8	0	5.8	99.999	Significant
<i>Staphylococcus aureus</i>	4.0	4.0	0	4.0	99.99	Significant

Remark : U_o = Log (bacteria recovered from untreated specimen in CFU/cm²) immediately after inoculation
 U_t = Log (bacteria recovered from untreated specimen in CFU/cm²) after 24 hours incubation
 A_t = Log (bacteria recovered from treated specimen in CFU/cm²) after 24 hours incubation
 R = Log reduction value ($U_t - A_t$)

Reference Rating* :	%R	Antibacterial activity
	<90%	Not acceptable
	>90 - <99%	Insignificant
	>99.9%	Significant

Sample received condition : Sample in closed plastic bag.

Date sample received : May 29, 2025

Testing period : May 29, 2025 to June 10, 2025

End of report

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The observations and test results in this report are relevant to the sample(s) tested and submitted by client. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. This report does not discharge or release you from your legal obligations and duties to any other person. Only the Client is authorized to permit copying or distribution of this report and the report shall not be reproduced except in full. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. This report by itself does not imply that.



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To:	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX CO. LTD.	Ref:	FC-2025-6125
Attention:	SEAN TANG	Date:	June 15, 2025

Re : Report Revision Notification

Intertek Testing Services Report Number HKGH0267406306 Dated June 10, 2025

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Intertek Testing Services report, HKGH0267406306 S1

Thank you for your attention.

For and on behalf of :
Intertek Testing Services HK Ltd.



Cindy I.K. Chan
Vice President

