

TEST REPORT

Applicant: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Number: HKGH0267406306 S1

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Date: June 10, 2025

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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 :

Requirement	Result
(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



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(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* :	Antibacterial activity	
	%R	
	<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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To: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Ref: FC-2025-6125
CO. LTD.

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