

TEST REPORT

Applicant: MID OCEAN BRANDS BV

7/F, KINGS TOWER. 111 KING LAM STREET, CHEUNG SHA WAN,

KOWLOON

HK

GARY YUEN Attn:

Submitted sample said to be

Item Name Antibacterial twist ball pen Item No. Quantity Vendor China

Country of Origin

Remark

MO6138 60 pieces 110658

1st Retest for our previous report HKGH02636823 dated Sep 22,

Number:

Date:

HKGH02647042

Oct 28, 2020

2020



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

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

Result

See details enclosed

Decision Rule(s):
When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer when a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer https://intertekhk.ard.bv/decision-rule-doc.

If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "..." was shown as above table.

For and on behalf of:

Intertek Testing Services HK Ltd.

Cindy I.K. Chan Vice President









TEST REPORT

Number: HKGH02647042

(1) Measurement of antibacterial activity on plastics and other non-porous surfaces

Test Standard: International Standard ISO 22196:2011.

Test culture:

Escherichia coli (ATCC 8739) – 7.1x10⁵ CFU/mL Staphylococcus aureus (ATCC 6538P) – 7.5x10⁵ CFU/mL

30 mm x 30 mm flat square of submitted sample Test specimen:

30 mm x 30 mm flat square of untreated sample as control

Neutralizing solution: D/E neutralizing broth

Contact time / temperature: 24 hours / 35°C

Agar medium: Plate Count Agar

Incubation period / temperature of agar: 48 hours / 35°C

Test condition: 0.2 mL bacterial inoculum was added onto white surface of the test

specimen sample



Kowloon, Hong Kong



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Result:

Test microorganism	Escherichia coli	Staphylococcus aureus
Concentration of inoculum (CFU/cm²)	3.6×10 ⁴	3.8×10 ⁴
Average for the number of bacteria recovered from treated specimen after 24 hours incubation (CFU/cm²)	4	<1
Percent reduction of bacteria *	99.9 %	99.9 %

Remark:

The result is inconclusive as the untreated sample shows antibacterial function. Therefore, the inoculum counting was used for the calculation of % reduction.

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

Sample received condition: Samples in closed plastic bags.

Date sample received : Oct 14, 2020

Testing period: Oct 19, 2020 to Oct 27, 2020

End of report

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