

## TEST REPORT

No. : SZIN2008011361SC

Date : Aug 31, 2020

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scan to see the report



SZIN2008011361SC

CUSTOMER NAME: MID OCEAN BRANDS B.V  
ADDRESS: 7/F., KINGS TOWER, 111 KING LAM STREET, CHEUNG SHA WAN,  
KOWLOON, HONGKONG

Sample Name : COTTON LANYARD  
Product Specification : 2.0\*(80+10)CM  
Material and Mark : COTTON  
Other Information : ML1036/ML1037/ML1048/ML1049

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

SGS Ref. No. : GZF20-017311-02  
Date of Receipt : Aug 18, 2020  
Testing Start Date : Aug 18, 2020  
Testing End Date : Aug 31, 2020  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services Co., Ltd. Shenzhen Branch  
Testing Center

James Zheng  
Authorized signatory



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Sample Description:

Specimen No.	SGS Sample ID	Description
1	GZF20-017311.002	Lanyard

**Conclusion:**

Name of test bacteria (Strain number)	Antibacterial value:A	Efficacy of antibacterial property	Comment
<i>Staphylococcus Aureus</i> (ATCC 6538)	2.7	Antibacterial value $2 \leq A < 3$ , the efficacy of antibacterial property of the test fabric can be considered significant;	Pass, the efficacy of antibacterial property of the test fabric can be considered significant
<i>Klebsiella pneumoniae</i> (ATCC 4352)	2.2	Antibacterial activity $A \geq 3$ , the efficacy of antibacterial property of the test fabric can be considered strong	Pass, the efficacy of antibacterial property of the test fabric can be considered significant



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**Test result(s):**

Antibacterial Assessment for the submitted sample

Test method: ISO 20743:2013 8.1 Absorption method

Name of test bacteria (Strain number)	<i>Staphylococcus Aureus</i> (ATCC 6538)		<i>Klebsiella pneumoniae</i> (ATCC 4352)	
Concentration of inoculum (CFU/mL)	2.2 × 10 <sup>5</sup>		1.1 × 10 <sup>5</sup>	
Difference of extremes for the three control specimens(lg) (condition: less than 1)	0h	24h	0h	24h
	< 0.1	< 0.1	< 0.1	0.1
Difference of extremes for the three antibacterial testing specimens(lg) (condition: less than 2)	0h	20h	0h	20h
	< 0.1	< 0.1	< 0.1	0.1
The growth value on the control sample F (F=lgC <sub>t</sub> -lgC <sub>0</sub> )	+2.6 (lgC <sub>t</sub> : +7.2, lgC <sub>0</sub> : +4.6)		+4.0 (lgC <sub>t</sub> : +8.4, lgC <sub>0</sub> : +4.4)	
The growth value on the antimicrobial-treated sampleG (G =lgT <sub>t</sub> -lgT <sub>0</sub> ) *	-0.1 (lgT <sub>t</sub> : +4.5, lgT <sub>0</sub> : +4.6)		+1.8 (lgT <sub>t</sub> : +6.2, lgT <sub>0</sub> : +4.4)	
Antibacterial activity value (A=F-G)	2.7		2.2	
Measuring method	Plate count method			
Sterilization method	/			
Incubation time	24h			

Remark:

1. The control sample is 100% cotton fabric, provided by SGS lab.
2. \*In case of C<sub>0</sub>> T<sub>0</sub>, substitute C<sub>0</sub> for T<sub>0</sub>.
3. Test the lanyard part.



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Sample photo:



Appendix information:

The above test was carried out by SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch.

\*\*\*\*\* End of report\*\*\*\*\*



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