

TEST REPORT

No. : SZIN2008011363SC

Date : Aug 31, 2020

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scan to see the report



SZIN2008011363SC

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

Sample Name : CORN LANYARD
Product Specification : 2.0*90CM
Material and Mark : CORN
Other Information : ML1034/ML1035

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. : GZF20-017311-04
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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Shenzhen Branch Testing Center - Materials Laboratory

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Sample Description:

Specimen No.	SGS Sample ID	Description
1	GZF20-017311.004	Lanyard

Conclusion:

Name of test bacteria (Strain number)	Antibacterial value:A	Efficacy of antibacterial property	Comment
<i>Staphylococcus Aureus</i> (ATCC 6538)	5.9	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 strong
<i>Klebsiella pneumoniae</i> (ATCC 4352)	7.1	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 strong



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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 ⁵		1.1 × 10 ⁵	
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	0.0
The growth value on the control sample F (F=lgC _t -lgC ₀)	+2.6 (lgC _t : +7.2, lgC ₀ : +4.6)		+4.0 (lgC _t : +8.4, lgC ₀ : +4.4)	
The growth value on the antimicrobial-treated sampleG (G =lgT _t -lgT ₀) *	-3.3 (lgT _t : +1.3, lgT ₀ : +4.6)		-3.1 (lgT _t : +1.3, lgT ₀ : +4.3)	
Antibacterial activity value (A=F-G)	5.9		7.1	
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 C₀> T₀, substitute C₀ for T₀.
3. Test the lanyard part.



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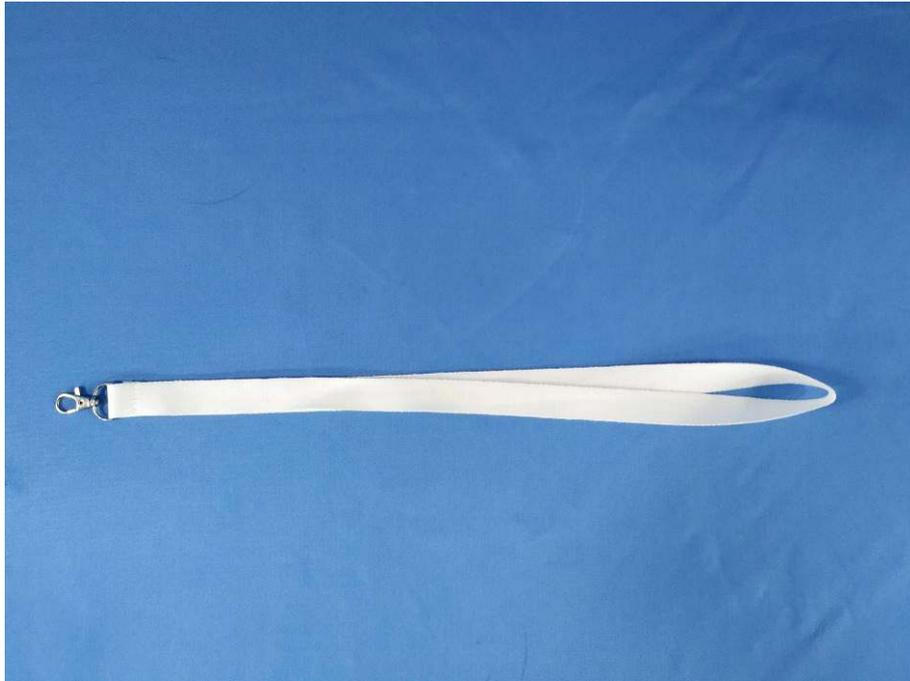
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Sample photo:



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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