

10A LIMITED

RMS 1001-1005, 10/F, NANYANG PLAZA, 57 HUNG TO RD., KWUN TONG, KLN, Hong Kong

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : ONE SAMPLE OF GO SOLUTION INFUSED NANOFIBER FILTER PET NONWOVEN - 99-30# IN WHITE.

Buyer : 10A LIMITED

Brand : 10A LIMITED

Sample Color : (A)WHITE

Composition : (A)GO SOLUTION INFUSED NANOFIBER FILTER PET NONWOVEN

Fabric Width : (A)23X30CM

Yarn Size : (A)-

Construction : (A)-

Fabric Weight : (A)30G/SQM

Model No. : 99-30#

Category : ADULT

End Use : (A)-

Manufacturer : 10A LIMITED

Country of Origin : CHINA

Country of Destination : CHINA

Sample Receiving Date : Dec 08, 2020

Testing Period : Dec 08, 2020 - Jan 28, 2021

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Test Performed : Selected test(s) as requested by applicant

Conclusion	A	Remark
Antibacterial Activity	PASS	

Remark(s) : PASS=Meet Client's/General Requirement

Signed for and on behalf of  
SGS (Hong Kong) Limited



Liu Wang, Andy, Technical Manager

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Test Result

**Antibacterial Activity Value of Textiles by Absorption Method** (ISO 20743:2013)

Test bacteria: *Methicillin resistant Staphylococcus aureus* IID 1677

Test specimen: As Received

		Bacteria count	Bacteria count after Log	Antibacterial activity value, A# (Reference requirement $\geq 2.0$ )	Comment
As Received	no. of inoculated bacteria before incubation $T_0$	$2.88 \times 10^4$	4.46	2.1 Efficacy of antibacterial property: Not significant	Pass
	number of bacteria after incubation $T_t$	$6.46 \times 10^4$	4.81		

# The Antibacterial activity value,  $A = (\log C_t - \log C_0) - (\log T_t - \log T_0)$

	Bacteria count	Bacteria count after Log
Number of bacteria obtained from test specimen of untreated control sample immediately after inoculation, $C_0$	$3.02 \times 10^4$	4.48
Number of bacteria obtained from test specimen of untreated control sample after incubation, $C_t$	$8.13 \times 10^6$	6.91
Growth value of untreated control sample ( $\log C_t - \log C_0$ )	/	2.4

Note:

- The untreated control sample is a 100% cotton fabric without fluorescent brighteners or other finish.
- The test is recognized as effective if Growth value of control fabric ( $\log C_t - \log C_0$ )  $> 1.0$ .

Remarks:

- Inoculated bacteria concentration (cells/ml):  $1.3 \times 10^5$
- Measuring method of bacteria concentration: Plate count method on Enumeration agar (EA)
- The efficacy of antibacterial property of the test fabric can be considered as shown in Table F.1 of ISO 20743.
- Culture medium used for bacterial culture preparation: Nutrient broth
- Broth used for preparing test inoculums: Nutrient broth (NB) diluted 20 times with water
- Mass of test specimens used: 0.40 g +/- 0.05 g
- Sterilization of test specimens by autoclave: Yes
- Shake-out medium used: SCDLP broth
- Shake-out method: By vortex

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### Sample Photo



\*\*\*End of Report\*\*\*

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