

## **Test Report**

## SL12050317217701TX-1

Test Result

## Test Method for Antibacterial Finishes on Textile Materials: Assessment of (AATCC TM100-2019)

Test specimen: As received

Test bacteria: Staphylococcus aureus (ATCC 6538)

Enro - Tech 3D mask inner fabric (after 50 machine washes and tumble dry)

Tested Specimen	Bacterial count (number of bacteria per sample) over contact period		Result: Percent reduction of bacteria	Specified requirement	Comment
	0 hour	24 hours	UI DACIENA		
As received	2.16 x 10⁵	50	>99.99%	/	/
Untreated control / Viability control	2.91 x 10⁵	1.01 x 10 <sup>8</sup>	/	≥1 log increase	Valid

## Test bacteria: Klebsiella pneumoniae (ATCC 4352)

Tested Specimen	Bacterial count (number of bacteria per sample) over contact period		Result: Percent reduction of bacteria	Specified requirement	<u>Comment</u>
	0 hour	24 hours	U Dacteria		
As received	1.58 x 10⁵	5.43 x 10 <sup>3</sup>	>99.99%	/	/
Untreated control / Viability control	2.13 x 10⁵	2.07 x 10 <sup>8</sup>	/	≥1 log increase	Valid

Note: The untreated control sample is standard antimicrobial test viability control fabric from International Antimicrobial Council.

Remarks:

- 1 The number of circular swatches (4.8 +/- 0.1 cm in diameter) used per jar: 4
- 2 Sterilization of samples by autoclave: No
- 3 Culture medium used for bacterial culture preparation: Nutrient broth
- 4 Diluent used for inoculum dilution: 1:20 Nutrient broth with 0.05% Triton X-100
- 5 Neutralizing solution: Dey Engley Neutralizing broth
- 6 Percent (%) reduction of bacteria = 100(B A)/B, where:
  - A = the number of bacteria recovered from the inoculated treated test specimen swatches in the jar incubated over the 24-h contact period
  - B = the number of bacteria recovered from the inoculated untreated test specimen
  - swatches in the jar incubated over the 24-h contact period

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

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

SGS Hong Kong Limited Office: Units 303 & 305, 3/F Building 22E, Phase 3, HK Science Park, New Territories, Hong Kong t (852) 2334 4481 f (852) 2764 3126 e mktg.hk@sgs.com Laboratory: 1/F, Units 16-29 3/F, 4/F & 5/F, On Wui Centre, 25 Lok Yip Road, Fanling, New Territories, Hong Kong. www.sgsgroup.com.hk