

**Test Report** 

SL12050317345201TX

Date:November 24,2020

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## Test Result

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

Test specimen: As received

Enro - Tech 3D mask inner fabric (before wash)

Test bacteria: Staphylococcus aureus (ATCC 6538)

Tested Specimen	Bacterial count (number of bacteria per sample) over contact period		Result: Percent reduction	Specified requirement	Comment
	0 hour	24 hours	of bacteria		
As received	1.05 x 10 <sup>5</sup>	125	>99.99%	/	/
Untreated control / Viability control	1.05 x 10⁵	9.40 x 10 <sup>7</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	Specified requirement	Comment
	0 hour	24 hours	of bacteria		
As received	1.19 x 10 <sup>5</sup>	<100	>99.99%	/	/
Untreated control / Viability control	1.48 x 10 <sup>5</sup>	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:

- The number of circular swatches (4.8 +/- 0.1 cm in diameter) used per jar: 6
- 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.