



301 Conover Station SE; Conover, NC 28613

Brad Seese
Textile Based Delivery
301 Conover Station SE
Conover, NC 28613

Received Date: March 17, 2020
Completed Date: March 20, 2020

REFERENCE: TS **157067** Sample Type: Knitted Fabric
 Style: 850015089046 Sample Form: Face Mask
 Color: White Size: N/A
 Description: Face Mask
 Copper Nylon

TEST RESULTS:

Antibacterial Finishes:

- Assessment of Antibacterial Finishes on Textile Materials - AATCC 100-2012

This test is accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation L2238

Testing Results:	Results: cfu/sample		
	Zero Contact Time	24hr Contact Time	Percent Reduction
Tested after 1x wash/dry cycle			
• Staphylococcus aureus ATCC 6538	1.30E+05	1.00E+03	99.23%
• Klebsiella pneumoniae ATCC 4352	5.50E+05	1.00E+03	99.82%

Calculate % reduction to formula $1) 100 (B-A)/B = R$; section 10.2

Testing Information:

- Staphylococcus aureus ATCC 6538
- Klebsiella pneumoniae ATCC 4352
- Growth media: Tryptic Soy Broth
- Sample size # layers: 2
- Sterilization: none
- Neutralizer: 100ml Lethen Broth w. Tween
- Target inoc. Level: $(1.0-2.0) \times 10^5$ CFU/ml
- Inoculum carrier: 5% (1/20x) Nutrient broth w. 0.05% Triton X100
- Inoculum size: 1.0ml +/- 0.1ml
- Contact time: 18 - 24 h
- Temperature: 37 +/- 2° C
- Samples were tested after 1x wash/dry cycle
- Samples were prepared and enumerated using automatic equipment; Tempo, BioMerieux.
- Cultures stored at 5° +/- 2°C.



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Testing Information:

- AATCC Laboratory Procedure 1 -2018, "Home Laundering: Machine Washing"

- Home Laundered 1 times using AATCC Laboratory Procedure 1-2018

Table II A, B & C - Alternate Laundering Parameters

Laundry Test Conditions: load size = 1.8kg (4lbs.). Launder Right Side Out

Top Loading Machine Wash; Normal Cycle (IV) Hot: 49+/-3C ((120+/-5F)

using 50±1ml AATCC High Efficiency (HE) Standard Reference Liquid Detergent

(Aiii) Tumble Dry Permanent Press Table V - Standard Drying Conditions

Type 3: 50% cotton/ 50% polyester bleached plain weave Table VII - Ballast Parameters

Report prepared:

Cheryl Nettesheim

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Antimicrobial Testing

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