

MANUFACTURING SOLUTIONS CENTER



301 Conover Station SE; Conover, NC 28613

Brad Hayes
DigitSock
55 W 100 N
PO Box 1000
Kamas, UT 84036

Received Date: April 13, 2022
Completed Date: April 28, 2022

REFERENCE:

TS 171170
Style: DigitSock gloves
Color: black/silver
Description: silver threaded gloves

Sample Type: Knitted Fabric
Sample Form: Gloves
Size: N/A

TEST RESULTS:

AATCC TM100-2019

• Test Method for Antimicrobial Finishes on Textile Materials: Assesment of

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

| <u>Testing Results:</u> | Results: cfu/sample | | |
|-----------------------------------|---------------------|-------------------|-------------------|
| | Zero Contact Time | 24hr Contact Time | Percent Reduction |
| Tested as submitted | | | |
| • Staphylococcus aureus ATCC 6538 | 2.10E+05 | 1.00E+02 | 99.95% |
| • Klebsiella pneumoniae ATCC 4352 | 2.20E+05 | 1.00E+02 | 99.95% |

Calculate % reduction to formula 10.3: $100 (C-A)/C = R$ (Eq.2)

| <u>Testing Results:</u> | Results: cfu/sample | | |
|-----------------------------------|---------------------|-------------------|-------------------|
| | Zero Contact Time | 24hr Contact Time | Percent Reduction |
| Tested after 25x wash | | | |
| • Staphylococcus aureus ATCC 6538 | 2.40E+05 | 1.00E+02 | 99.96% |
| • Klebsiella pneumoniae ATCC 4352 | 2.30E+05 | 1.00E+02 | 99.96% |

Calculate % reduction to formula 10.3: $100 (C-A)/C = R$ (Eq.2)

- Staphylococcus aureus ATCC 6538
- Klebsiella pneumoniae ATCC 4352
- Growth media: Tryptic Soy Broth
- Sample size: 1g / 2 layers
- Sterilization: none
- Neutralizer: 100ml Lethen Broth w. Tween
- Target inoc. Level: $(1.0-3.0) \times 10^5$ CFU/ml
- Inoculum carrier: 5% (1/20x) Nutrient broth w. 0.05% Triton X100
- Inoculum size: 1.0ml +/- 0.1ml
- Contact time: 24 h
- Temperature: 37 +/- 2° C
- Samples were tested as submitted and after 25x home launderings
- Samples are prepared and enumerated using automatic equipment; Tempo, BioMerieux.
- Cultures stored at 5° +/-2°C.

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TEST RESULTS:

Antimicrobial Activity:

- ASTM Standard E2149-20 "Standard Test Method for Determining the Antimicrobial Activity of Antimicrobial Agents Under Dynamic Contact Conditions," ASTM International, West Conshohocken, PA, DOI: 10.1520/E2149-20, www.astm.org.

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| <u>Testing Results:</u> | Results: cfu/ml | | |
|-------------------------------|-------------------|--------------------|-------------------|
| Tested as submitted | Inoculum only 1hr | Sample 1hr Contact | Percent Reduction |
| • Escherichia coli ATCC 25922 | 2.10E+05 | 1.00E+02 | 99.95% |

Calculate % reduction to 100 (B-A)/B = R; section 12.8

| <u>Testing Results:</u> | Results: cfu/ml | | |
|-------------------------------|-------------------|--------------------|-------------------|
| Tested after 25x wash | Inoculum only 1hr | Sample 1hr Contact | Percent Reduction |
| • Escherichia coli ATCC 25922 | 2.10E+05 | 1.00E+02 | 99.95% |

Calculate % reduction to 100 (B-A)/B = R; section 12.8

Testing Information:

- Calculation is based on inoculum only after contact time.
- Escherichia coli ATCC 25922
- Growth media: Tryptic Soy Broth
- Sample weight: 1.0 g +/- 0.1g
- Sterilization: none
- Target inoc. Level: (1.5-3.0) x 10⁵ CFU/ml
- Wetting agent: 0.01% Triton X-100
- Inoculum carrier: 7.1 Phosphate buffer
- Shake time: 60min +/- 5min at room temperature
- Temperature: 35 +/- 2° C
- Samples were tested as submitted and after 25x home launderings
- Samples are 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 Laundered25..... 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
(A) Tumble Dry Table V - Standard Drying Conditions
Type 3: 50% cotton/ 50% polyester bleached plain weave Table VII - Ballast Parameters

Report prepared:

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