

CottonX™ Skincare Fabric CTXSC20 64147 Antimicrobial test results

Fabric Name: Pique CTXSC20 64147 Aqua
Fabric Compo: Knit 100% Co
Yarn Compo: 40S Comb 20% CottonX™ Skincare Sliver
Style: Fabric ID 64147

Laboratory Name:
Manufacturing Solution Center, 301 Conover Station SE; Conover, NC 28613

Test Method: Antibacterial Finishes on Textile Materials - AATCC 100-2012

Attach. document:

Antibacterial Finishes test results ,

"TS140515 Antibacterial Finishes (24 hours) after 50 industrial washing cycles.pdf"

Antibacterial Finishes test results,

"TS137210 Antibacterial Finishes (24 hours) after 100 home washing cycles.pdf"

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Patricia Dobin, Edan Kenig
Argaman Technologies Ltd.
PO Box 10197
Jerusalem, 9110192; Israel

RECEIVED DATE: April 18, 2018
COMPLETED DATE: May 25, 2018

REFERENCE:

TS 140515	Sample Type: Pique
Style: CTXSC20 64147	Sample Form: Swatch
Color: Aqua, Reactive Dye	Size: N/A
Description: Knit 100% Co, Yarn: 40S Comb 20% Cotton X Skincare Sliver	

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		
tested after 50x industrial wash	Zero Contact Time	24hr Contact Time	Percent Reduction
• Staphylococcus aureus ATCC 6538	1.50E+05	1.00E+03	99.33%
• Escherichia coli ATCC 25922	1.80E+05	1.00E+03	99.44%

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

Testing Information:

• Industrial Wash 50
 Washing Machine Parameters
 Laundry Test Conditions: load size = 1.8kg (4lbs.). Launder Right Side Out
 Front Loading Machine Wash; UNIMAC program #34 75 ± 3 °C
 using 66±1g 1993 AATCC Standard Reference Detergent WOB
 (Ai) Tumble Dry Normal after every 5th cycle Table V - Standard Drying Conditions
 Type 3: 50% cotton/ 50% polyester bleached plain weave Table VII - Ballast Parameters

- Staphylococcus aureus ATCC 6538
- Escherichia coli ATCC 25922
- Growth media: Tryptic Soy Broth
- Sample size # layers: 3
- Sterilization: none
- Neutralizer: 100ml Letheen Broth w. Tween
- Target inoc. Level: (1.0-2.0) x 10⁵ CFU/ml
- Inoculum carrier: 5% Nutrient broth
- Inoculum size: 1.0ml +/- 0.1ml

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- Wetting agent: 0.05 % Triton X
- Contact time: 24 h
- Temperature: 37 +/- 2° C
- Samples are tested after x industrial launderings
- Samples are prepared and enumerated using automatic equipment; Tempo, BioMerieux.
- Cultures stored at 5° +/-2°C.



Maria Curry
Antimicrobial Testing
MSC – Testing Lab
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The test results are based on the submitted sample(s) only. MSC/HTC's liability shall not exceed the fees paid for the testing reflected on this report. It is the customer's responsibility to ensure that they comply with all U.S. federal, state/ local laws & regulations. These tests are not to be used for marketing purposes without the express written consent of the Director of the Manufacturing Solutions Center at Catawba Valley Community College. The test report shall not be reproduced except in full, without written approval from MSC/HTC. All results will be kept confidential.



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- Temperature: 37 +/- 2° C
- Samples are tested after x home launderings
- Samples are prepared and enumerated using automatic equipment; Tempo, BioMerieux.
- Cultures stored at 5° +/-2°C.

A handwritten signature in black ink that reads "Maria" followed by a stylized flourish.

Maria Curry
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