



BEGOODTEX

TEST REPORT SUMMARY

This document contains selected pages from the original laboratory report for customer reference only.



COMPLETE REPORT AVAILABLE

For the full test report or additional certification documents, please contact BEGOODTEX.

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ABOUT BEGOODTEX

BEGOODTEX is a professional manufacturer specializing in inherently flame retardant textiles since 2013. Providing certified, reliable textile solutions for customers worldwide.

TEST REPORT



ORIGINAL

Dated 2020-04-13

Applicant : Shaoxing BIGU Textiles Co., Ltd
Address : No 92-4 QISHENG ROAD, YUECHENG DISTRICT, SHAOXING, ZHEJIANG
CHINA
Attn : Yvonne

Order No. : -
Style No. : -
Season : -
Manufacturer : SHAOXING BEGOODTEX CO., LTD.
Buyer : -
Country Of Origin : China
Goods Export To : -

Care Label Provided : -

Receipt Date Of Sample : Received On 2020-03-30
Date Of Testing : From 2020-03-30 To 2020-04-13
Sample Submitted : The Sample(s) Was (Were) Submitted By Applicant and Identified.
Test Result : Refer To Next Page.

Description Of The Test Subject

Sample	Description	Photo
001	100% polyester premier anti-bacterial knit fabric in black	

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TUV®

TEST REPORT

Dated

2020-04-13



ORIGINAL

Test Results

1 Antimicrobial Activity Test

TEST METHOD(S)

- with reference to ASTM E 2149-13a Standard Test Method for Determining the Antimicrobial Activity of Immobilized Antimicrobial Agents Under Dynamic Contact Conditions
1. Dilute appropriately into sterile buffer solution to obtain a final concentration of $1.5-3.0 \times 10^5$ CFU/mL. This solution will be the working bacterial dilution.
 2. Prepare one sterile 250 mL screw-cap Erlenmeyer flask for specimen, and one "inoculums only" sample for the series being run.
 3. Place 1 gram the test specimen in their individual flasks. Add 50 ± 0.5 mL of working dilution of bacterial inoculums to each flask.
 4. Determine bacterial concentration of solution at the "0" time by performing serial dilutions and plate count techniques from the "inoculum only" flask.
 5. Place the series of flasks on the wrist-action shaker. After contact 24 hour, determine bacterial concentration by plate count technique.
 6. Allow all the plates to incubate at $35 \pm 2^\circ\text{C}$ for 24 h.
 7. Count the colonies after incubation.
 8. Calculate the test results.

TEST ORGANISM(S):

Escherichia coli ATCC 25922
Staphylococcus aureus ATCC 6538
Klebsiella pneumoniae ATCC 4352

TEST RESULT(S)

Name of test organism	The number of bacteria recovered from (cfu/mL)			Reduction (%)
	Sample	"0" contact time	"24h" contact time	
Escherichia coli ATCC 25922	Sample 001	/	<30	>99
	Inoculums only	1.6×10^5	4.2×10^6	
Staphylococcus Aureus ATCC 6538	Sample 001	/	<30	>99
	Inoculums only	2.8×10^5	1.7×10^6	
Klebsiella pneumoniae ATCC 4352	Sample 001	/	<30	>99
	Inoculums only	2.3×10^5	8.3×10^6	

Remark: Reduction, $\%(\text{cfu/ml}) = (B-A)/A \times 100$
Where:
A=cfu per millilitre for the flask containing the sample after the specified contact time,
B=cfu per millilitre for the inoculum only flask after the specified contact time.

-End of The Test Report-