



**BUREAU
VERITAS**

TEST REPORT

Technical Report: (9318)124-0188

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May 15, 2018



Report Number
(9318)124-0188

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**BUREAU
VERITAS**

TEST REPORT

**TO : FUJIAN BAILONG LACE
MANUFACTURE CO LTD
10F SHANYA CENTER MINHOU
FUZHOU
FUJIAN FJ,
CHINA**

LAB NO.: (9318)124-0188
FORM NO.: /
DATE IN: May 04, 2018
DATE OUT: May 15, 2018
BUYER: JCP
NO. OF WORKING DAYS: 8
PAGE 2 OF 8

ATTN : LEON

<u>OVERALL RATING</u>	
PASS	_____ X
FAIL	_____
DATA	_____
NOT TESTED	_____
MARGINAL PASS	_____

Vendor:	/	Agent:	/
Fabric Supplier/Mill:	/	Factory/Manufacturer:	/
P.O. No.:	/	Style No.:	/
Sample Description:	3966 S2868	Style Description:	/
Color:	WHITE	Country of Origin:	/
Claimed Fabric Weight:	/	Claimed Fabric Count:	/
Yarn Size:	/	Submitted Size:	/
Size Range:	/	FPU No.:	/
GPU No.:	/	End Use:	/
SKU:	/	Age Group:	/

Product Category	FABRIC
Test Requested	SEE TEST PROPERTY
Previous Report No.	/

Submitted Fiber Content	/
Actual Fiber Content	A: 89.6% NYLON 10.4% SPANDEX B: 90.1% NYLON 9.9% SPANDEX
Suggested Fiber Content	A: 90% NYLON 10% SPANDEX (PENDING GARMENT REVIEW) B: 90% NYLON 10% SPANDEX (PENDING GARMENT REVIEW)
Submitted Care Instruction(s)	/
Client Expected Care Instruction	/
Suggested Care Instruction(s)	/

TEST PROPERTY	PASS	FAIL	DATA	NOT TESTED	MARG PASS	COMMENTS
STRETCH PROPERTIES OF KNITTED FABRICS	X					
FABRIC WEIGHT			X			SEE TEST RESULT
FABRIC COUNT OF KNIT FABRIC			X			SEE TEST RESULT
BURSTING STRENGTH OF TEXTILE FABRICS: DIAPHRAGM METHOD	X					
QUICK METHODS FOR COLORFASTNESS TO NON-CHLORINE BLEACH			X			RECOMMENDED
QUICK METHODS FOR COLORFASTNESS TO CHLORINE BLEACH			X			NA:AND SEE REMARK
COLORFASTNESS TO PERSPIRATION	X					
COLORFASTNESS TO LAUNDERING: ACCELERATED	X					
COLORFASTNESS TO CROCKING	X					
DIMENSIONAL CHANGE OF FABRICS AFTER HOME LAUNDERING	X					
APPEARANCE AFTER CARE	X					
FIBER ANALYSIS: QUANTITATIVE			X			SEE TEST RESULT
FLAMMABILITY OF CLOTHING TEXTILES	X					
WATER - EXTRACTABLE FORMALDEHYDE CONTENT IN TEXTILES	X					

Remark:

The test of colorfastness to chlorine bleach is not conducted due to the chlorine is detrimental effect on spandex fiber.

TECHNICAL QUESTIONS

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CPSCSEnquiry.PY@cn.bureauveritas.com

GENERAL INFORMATION

SIGNATURES

Bureau Veritas Consumer Products Services (Guangzhou) Co., Ltd



Joeie Tsang
General Manager

<u>TEST PROPERTY</u>	<u>TEST RESULTS</u>		<u>REQUIREMENTS</u>
<u>STRETCH PROPERTIES OF KNITTED FABRICS</u> (ASTM D2594-04(2016), FORM FIT, FABRIC STRETCH: 5 LBS)			
A			
WALE - FABRIC STRETCH (%)	69.0%		/
WALE - FABRIC GROWTH - AFTER 60 SEC. (%)	2.2%		/
WALE - FABRIC RECOVERY - AFTER 60 SEC. (%)	93.7%		MIN. 85.0 %
B			
WALE - FABRIC STRETCH (%)	73.6%		/
WALE - FABRIC GROWTH - AFTER 60 SEC. (%)	2.8%		/
WALE - FABRIC RECOVERY - AFTER 60 SEC. (%)	92.0%		MIN. 85.0 %
<u>FABRIC WEIGHT</u> (ASTM D3776-09A (R2017), OPTION C)			
	A	B	
OZ / SQ. YD	3.30	3.16	-5 TO +10 % AS CLAIM N/A
G. / SQ. M	112	107	
G. / M	26.4	8.90	
<u>FABRIC COUNT OF KNIT FABRIC</u> (ASTM D3887-96 (R2008), SECTION 12)			
A&B			
WALES	N/A DUE TO THE STRUCTURE OF SAMPLE IS COMPLEX.		-5 TO +5 % AS CLAIM N/A
COURSES	N/A DUE TO THE STRUCTURE OF SAMPLE IS COMPLEX.		
<u>BURSTING STRENGTH OF TEXTILE FABRICS: DIAPHRAGM METHOD</u> (ASTM D3786-13, HYDRAULIC BURSTING STRENGTH TESTER)			
	A	B	
BURSTING STRENGTH (PSI)	35.0	37.0	MIN. 30.0 PSI
<u>QUICK METHODS FOR COLORFASTNESS TO NON-CHLORINE BLEACH</u> (AATCC/ASTM TS-001)			
	A	B	
COLOR CHANGE (PEROXIDE)	4.5	4.5	MIN. GRADE 4.0
COLOR CHANGE (PERBORATE)	4.5	4.5	MIN. GRADE 4.0

<u>TEST PROPERTY</u>	<u>TEST RESULTS</u>	<u>REQUIREMENTS</u>
<u>COLORFASTNESS TO PERSPIRATION</u> (AATCC 15-13, AATCC GRAY SCALE, MULTIFIBERS NO. 10)		
A		
COLOR CHANGE	4.5	MIN. GRADE 3.5
<u>COLOR STAIN ON</u>		
ACETATE	4.5	MIN. GRADE 3.0
COTTON	4.5	MIN. GRADE 3.0
NYLON	4.5	MIN. GRADE 3.0
POLYESTER	4.5	MIN. GRADE 3.0
ACRYLIC	4.5	MIN. GRADE 3.0
WOOL	4.5	MIN. GRADE 3.0
B		
COLOR CHANGE	4.5	MIN. GRADE 3.5
<u>COLOR STAIN ON</u>		
ACETATE	4.5	MIN. GRADE 3.0
COTTON	4.5	MIN. GRADE 3.0
NYLON	4.5	MIN. GRADE 3.0
POLYESTER	4.5	MIN. GRADE 3.0
ACRYLIC	4.5	MIN. GRADE 3.0
WOOL	4.5	MIN. GRADE 3.0
<u>COLORFASTNESS TO LAUNDERING: ACCELERATED</u> (AATCC 61, TEST NO. 2A (49 DEGREE CELSIUS) ,1993 AATCC POWDER DETERGENT WOB, MULTIFIBERS NO. 10)		
A		
COLOR CHANGE	4.5	MIN. GRADE 3.0
<u>COLOR STAIN ON</u>		
ACETATE	4.5	MIN. GRADE 3.0
COTTON	4.5	MIN. GRADE 3.0
NYLON	4.5	MIN. GRADE 3.0
POLYESTER	4.5	MIN. GRADE 3.0
ACRYLIC	4.5	MIN. GRADE 3.0
WOOL	4.5	MIN. GRADE 3.0
B		
COLOR CHANGE	4.5	MIN. GRADE 3.0
<u>COLOR STAIN ON</u>		
ACETATE	4.5	MIN. GRADE 3.0
COTTON	4.5	MIN. GRADE 3.0
NYLON	4.5	MIN. GRADE 3.0
POLYESTER	4.5	MIN. GRADE 3.0
ACRYLIC	4.5	MIN. GRADE 3.0
WOOL	4.5	MIN. GRADE 3.0
<u>COLORFASTNESS TO CROCKING</u> (AATCC 8-16)		
A		
DRY (COLOR STAIN)	4.5	MIN. GRADE 4.0
WET (COLOR STAIN)	4.5	MIN. GRADE 3.0

<u>TEST PROPERTY</u>	<u>TEST RESULTS</u>	<u>REQUIREMENTS</u>
B		
DRY (COLOR STAIN)	4.5	MIN. GRADE 4.0
WET (COLOR STAIN)	4.5	MIN. GRADE 3.0

DIMENSIONAL CHANGE OF FABRICS AFTER HOME LAUNDERING(AATCC 135-15, MODIFIED, TIDE, 3 WASHES, NORMAL CYCLE AT 27 DEGREE CELSIUS (80 FAHRENHEIT), TUMBLE DRY LOW, 4-LBS LOAD, MEASURE AT 10 INCHES)

A		
	SHRINKAGE (%)	
LENGTHWISE	-2.0%	-6.0 TO +2.0 %
WIDTHWISE	-3.2%	-6.0 TO +2.0 %
B		
	SHRINKAGE (%)	
LENGTHWISE	-1.3%	-6.0 TO +2.0 %
WIDTHWISE	-3.0%	-6.0 TO +2.0 %

(+) DENOTES ELONGATION

(-) SHRINKAGE

APPEARANCE AFTER CARE(CPSD-SL-31055-MTHD, SUBJECTIVE, MACHINE WASH COLD, NORMAL CYCLE, TUMBLE DRY LOW, AFTER 3 WASHES)

A		
COLOR CHANGE	4.5	MIN. GRADE 3.0
PILLING	4.5	MIN. GRADE 3.0
ANY OBSERVED DEFECTS	SATISFACTORY	SATISFACTORY
B		
COLOR CHANGE	4.5	MIN. GRADE 3.0
PILLING	4.5	MIN. GRADE 3.0
ANY OBSERVED DEFECTS	SATISFACTORY	SATISFACTORY

FIBER ANALYSIS: QUANTITATIVE(AATCC 20A-14, USING CHEMICAL TEST METHOD, ASTM D1909 MOISTURE REGAINS APPLIED)

A		
SUBMITTED	/	
LAB ANALYSIS	89.6% NYLON 10.4% SPANDEX	<= +/- 3.0 %
REMARKS: THE LABELED FIBER CONTENT FOR THE SUBMITTED SAMPLE IS RECOMMENDED AS	90% NYLON 10% SPANDEX (PENDING GARMENT REVIEW)	

<u>TEST PROPERTY</u>	<u>TEST RESULTS</u>	<u>REQUIREMENTS</u>
SUBMITTED	B /	
LAB ANALYSIS	90.1% NYLON 9.9% SPANDEX	<= +/- 3.0 %
REMARKS: THE LABELED FIBER CONTENT FOR THE SUBMITTED SAMPLE IS RECOMMENDED AS	90% NYLON 10% SPANDEX (PENDING GARMENT REVIEW)	

FLAMMABILITY OF CLOTHING TEXTILES(16 CFR 1610)

A&B		
CLASSIFICATION	EXEMPT DUE TO FABRIC WEIGHT: PLAIN SURFACE WITH >2.6 OZ/SQ.YD. THE SUBMITTED SAMPLE(S) IS(ARE) EXEMPT FROM FLAMMABILITY TESTING IN ACCORDANCE WITH 16 CFR 1610.1(D) WHICH STATES: SPECIFIC EXEMPTIONS EXPERIENCE GAINED FROM YEARS OF TESTING IN ACCORDANCE WITH THE STANDARD DEMONSTRATES THAT CERTAIN FABRICS CONSISTENTLY YIELD ACCEPTABLE RESULTS WHEN TESTED IN ACCORDANCE WITH THE STANDARD. THEREFORE, PERSONS AND FIRMS ISSUING AN INITIAL GUARANTY OF ANY OF THE FOLLOWING TYPES OF FABRICS, OR OF PRODUCTS MADE ENTIRELY FROM ONE OR MORE OF THESE FABRICS ARE EXEMPT FROM ANY REQUIREMENT FOR TESTING TO SUPPORT GUARANTIES OF THOSE FABRICS. 1.PLAIN SURFACE FABRICS, REGARDLESS OF FIBER CONTENT, WEIGHING 2.6 OUNCES PER SQUARE YARD OR MORE AND 2..ALL FABRICS, BOTH PLAIN SURFACE AND RAISED-FIBER SURFACE, REGARDLESS OF WEIGHT, MADE ENTIRELY FROM ANY OF THE FOLLOWING FIBERS OR ENTIRELY FROM COMBINATION OF THE FOLLOWING FIBERS: ACRYLIC, MODACRYLIC, NYLON, OLEFIN, POLYESTER, WOOL.	CLASS 1

WATER - EXTRACTABLE FORMALDEHYDE CONTENT IN TEXTILES(JIS L1041)

METHOD B (ppm)	WHITE FABRIC (A)+WHITE FABRIC (B)< 16	MAX. 75.0 ppm
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**COLORFASTNESS RATING
COLOR CHANGE**

- 5 NEGLIGIBLE OR NO CHANGE
- 4 SLIGHTLY CHANGED
- 3 NOTICEABLY CHANGED
- 2 CONSIDERABLY CHANGED
- 1 MUCH CHANGED

**COLORFASTNESS RATING
COLOR STAIN
SELF STAINING**

- 5 NEGLIGIBLE OR NO STAINING
- 4 SLIGHTLY STAINED
- 3 NOTICEABLY STAINED
- 2 CONSIDERABLY STAINED
- 1 HEAVILY STAINED

C/N CYL/LCL

-END-

C/N CYL/LCL