



TEST REPORT

TO: CONFER FRAGRANT CO., LTD.

LAB NO.: (6219)203-0084
DATE IN: JULY 22, 2019
DATE OUT: AUG. 12, 2019
MOD. DATE: -
PAGE: 1 OF 7
WORKING DAYS: 14

PURPOSE OF TEST: To evaluate the submitted sample in the test requested by the client only.

OVERALL RATING: PASS

SAMPLE DESCRIPTION:

Item Description:	Monochrome
SKU No.:	-
P.O.No.:	-
Sources/Vendor:	-
Manufacturer:	-
Orig. Of Country:	-
Size:	-
Color:	-

COMMENTS:

Please see attached Test Results for detailed test data on all requested test.



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Remark: BVCPS Contact information for this report.

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**BUREAU VERITAS CONSUMER PRODUCTS SERVICES (H.K.) LIMITED,
TAIWAN BRANCH**

**CHAD HSIEH
HARDLINE OPERATION MANAGER**

REMARKS:

1. This report is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our written permission.
2. Our report is limited to the test samples identified herein. The results set forth in this report are not necessarily indicative or representative of the statistical quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted.
3. Our report includes all the tests requested by you and the results thereof. You shall have thirty days from receipt of this report to request additional testing of the samples or to notify us of any errors or omissions relating to our report; provided, however, such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TEST RESULTS:

Table 1 Mechanical requirements			
Property	Requirement level	Standard/Test method	Results / Rating
Tensile strength warp/weft for woven fabrics	≥ 400 N	ISO 13934-1 IOS-TM-0007	M / PASS War: Over 800.0N Weft: Over 800.0N
Tear strength warp/weft for woven fabrics	≥ 25 N	ISO 13937-2 IOS-TM-0007	M / PASS Warp: 94.6N Weft: 107.4N
Bursting strength for knitted fabrics	≥ 250 kPa	ISO 13938-1 or 2 IOS-TM-0007	NA / -
Abrasion resistance		ISO 12947-2 IOS-TM-0007	DATA 20000 Cycles
Change of colour	$\geq 2-3$		
Thread breakage	≥ 15000		
Resistance to pilling	≥ 3	ISO 12945-2 IOS-TM-0007	M / PASS 5000 Cycles: 4.5 10000 Cycles: 4.5
Resistance to seam slippage warp/weft for woven fabrics	≤ 6 mm	ISO 13936-2 IOS-TM-0007	M / PASS Warp: 1.9mm Weft: 2.0mm
Dimensional change after washing and drying	+2/-3%	ISO 6330, ISO 3759, ISO 5077 IOS-TM-0007	M / PASS L: 0% W: -0.3%
Dimensional change after dry cleaning	+2/-2%	ISO 3759, ISO 3175-2 IOS-TM-0007	NA / -
Deviation from size	+2/-0%	ISO 22198	M / PASS L: +0.6%, W: +1.4%
Deviation from indicated weight, fabric	+10/-5%	EN 12127 Fabric and filling separated	DATA 248g/m ² (7.33oz/yd ²)
Change of appearance after washing	TED	ISO 6330 IOS-TM-0007	M / PASS No Visual Change

Table 2 Chemical Requirements			
Property	Requirement level	Standard/Test method	Results / Rating
Formaldehyde	≤75 ppm	ISO 14184-1 IOS-TM-0007	M / PASS See Page 5
pH value	4.0-7.5	ISO 3071 IOS-TM-0007	M / PASS See Page 5

Table 3 Flammability requirements			
Property	Requirement level	Test method/Standard	Results / Rating
Textiles:		16 CFR 1610 IOS-TM-0007	M / PASS See Page 6
- Plain fabric	≥3.6 sec		
- Raised fabric	≥4.1 sec		

Table 4 Colour fastness requirements				
Property	Assessment	Requirement level	Standard/Test method	Results / Rating
Colour fastness to light	--	≥5-6	ISO 105-B02 IOS-TM-0007	M / PASS (6)
Colour fastness to rubbing	Dry staining	≥4	ISO 105-X12 IOS-TM-0007	M / PASS Dry: CC: 4-5 , CS: 4-5 Wet: CC: 4-5, CS: 4-5
	Dry colour change	≥4		
	Wet staining	≥3		
	Wet colour change	≥3		
	Shampoo colour change ²	≥3-4		
Colour fastness to washing	Perchloroethylene colour change	≥3-4		
	Staining	≥4	ISO 105-C06 IOS-TM-0007	M / PASS CC: 4-5 CS: 4-5/4-5/4-5/4-5/4-5/4-5
Colour fastness to dry cleaning	Colour change	≥4		
	Staining	≥4	ISO 105-D01	M / PASS CC: 4-5 CS: 4-5/4-5/4-5/4-5/4-5/4-5
Colour fastness to acid and alkaline perspiration	Colour change	≥3-4		
	Staining and colour change	≥3-4	ISO 105-E04 IOS-TM-0007	M / PASS Acid: CC: 4-5 CS: 4-5/4-5/4-5/4-5/4-5/4-5 Alkaline: CC: 4-5 CS: 4-5/4-5/4-5/4-5/4-5/4-5

Table 4 Colour fastness requirements				
Property	Assessment	Requirement level	Standard/Test method	Results / Rating
Colour fastness to chlorinated water ²	Colour change	≥4	ISO 105-E03 IOS-TM-0007	M / PASS CC: 4-5
Colour fastness to water	Staining	≥3	ISO 105-E01, IOS-TM-0007	M / PASS CC: 4-5 CS: 4-5/4-5/4-5/4-5/4-5/4-5

**Results Key:

M	Meets	NM	Does Not Meet
PASS	Pass	FAIL	Fail

TEST RESULTS:

1. FORMALDEHYDE CONTENT IN TEXTILES (CLIENT'S SPECIFICATIONS)

Test Method: ISO/DIS 14184-1:1998, Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method).

Parameter:			Formaldehyde	
Maximum allowable limit:			75 (mg/kg (ppm))	
Test Component			Result (mg/kg (ppm))	Conclusion
Color/Component	Location	Style No.		
Heather brown fabric (Fabric swatch)	Fabric swatch	-	< 16	PASS

LT = Less than

mg/kg (ppm) = milligrams per kilogram (ppm = parts per million)

2. PH VALUE OF THE WATER-EXTRACT FROM WET PROCESSED TEXTILES

Test Method : American Association of Textile Chemists and Colorists (AATCC) Test Method (TM) 81-2006.

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
1	Heather brown fabric (Fabric swatch)	Fabric swatch	-

-	Unit	Result
Test Item(s)	-	1
Parameter	-	-
pH value of water-extract	-	6.5
Temp. of extract solution	deg. C	24.2
Conclusion	-	PASS

Note / Key :

deg. C = degree Celsius (°C)

Temp. = Temperature



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3. FLAMMABILITY OF CLOTHING TEXTILES (16 CFR 1610)

ORIGINAL				AFTER DRYCLEANING/ WASHING			
TIME OF FLAME SPREAD (S)		BURN CODE		TIME OF FLAME SPREAD (S)		BURN CODE	
1	-	1	DNI	P1	-	P1	DNI
2	-	2	DNI	P2	-	P2	DNI
3	-	3	DNI	P3	-	P3	DNI
4	-	4	DNI	P4	-	P4	DNI
5	-	5	DNI	P5	-	P5	DNI
AVG. _____ SECONDS FOR# _____ SPECIMENS		AVG. _____ SECONDS FOR# _____ SPECIMENS		AVG. _____ SECONDS FOR# _____ SPECIMENS		AVG. _____ SECONDS FOR# _____ SPECIMENS	
6	-	6		P6	-	P6	
7	-	7		P7	-	P7	
8	-	8		P8	-	P8	
9	-	9		P9	-	P9	
10	-	10		P10	-	P10	
AVG. _____ SECONDS FOR# _____ SPECIMENS		AVG. _____ SECONDS FOR# _____ SPECIMENS		AVG. _____ SECONDS FOR# _____ SPECIMENS		AVG. _____ SECONDS FOR# _____ SPECIMENS	
DNI	DID NOT IGNITE.						
IBE	IGNITED, BUT EXTINGUISHED.						
0.0 SEC.	ACTUAL TIME OF BURN FROM IGNITION UNTIL FLAME SEVERS THE CORD						
SF POI	SURFACE FLASH, AT THE POINT OF IMPINGEMENT ONLY. (EQUIVALENT TO “DID NOT IGNITE” FOR PLAIN SURFACES.)						
SF PW	SURFACE FLASH, PART WAY. NO TIME SHOWN BECAUSE THE SURFACE FLASH DID NOT REACH THE STOP THREAD.						
SF UC	SURFACE FLASH, UNDER THE STOP THREAD, BUT DOES NOT BREAK THE STOP THREAD.						
0.0 SF ONLY	TIME IN SECONDS, SURFACE FLASH ONLY. NO DAMAGE TO THE BASE FABRIC.						
0.0 SFBB	TIME IN SECONDS, SURFACE FLASH BASE BURN STARTING AT PLACES OTHER THAN THE POINT OF IMPINGEMENT AS A RESULT OF SURFACE FLASH.						
0.0 SFBB POI	TIME IN SECONDS, SURFACE FLASH BASE BURN STARTING AT THE POINT OF IMPINGEMENT. THIS RESULT DOES NOT QUALIFY AS A BASE BURN UNDER THE CURRENT INTERPRETATION OF PART OF 16 CFR PART 1610.						
0.0 SFBB POI*	TIME IN SECONDS, SURFACE FLASH BASE BURN POSSIBLY STARTING AT THE POINT OF IMPINGEMENT. THE ASTERISK (*) IS ACCOMPANIED BY THE FOLLOWING STATEMENT: “UNABLE TO MAKE ABSOLUTE DETERMINATION AS TO SOURCE OF BASE BURNS.” THIS STATEMENT IS ADDED TO THE RESULT OF ANY SPECIMEN IF THERE IS A QUESTION AS TO ORIGIN OF THE BASE BURN.						
COMMENTS: PASS							

