

REPORT NUMBER:

SHAT05188082S1

Report Number:

SHAT05188082

Date: Sep 19, 2017

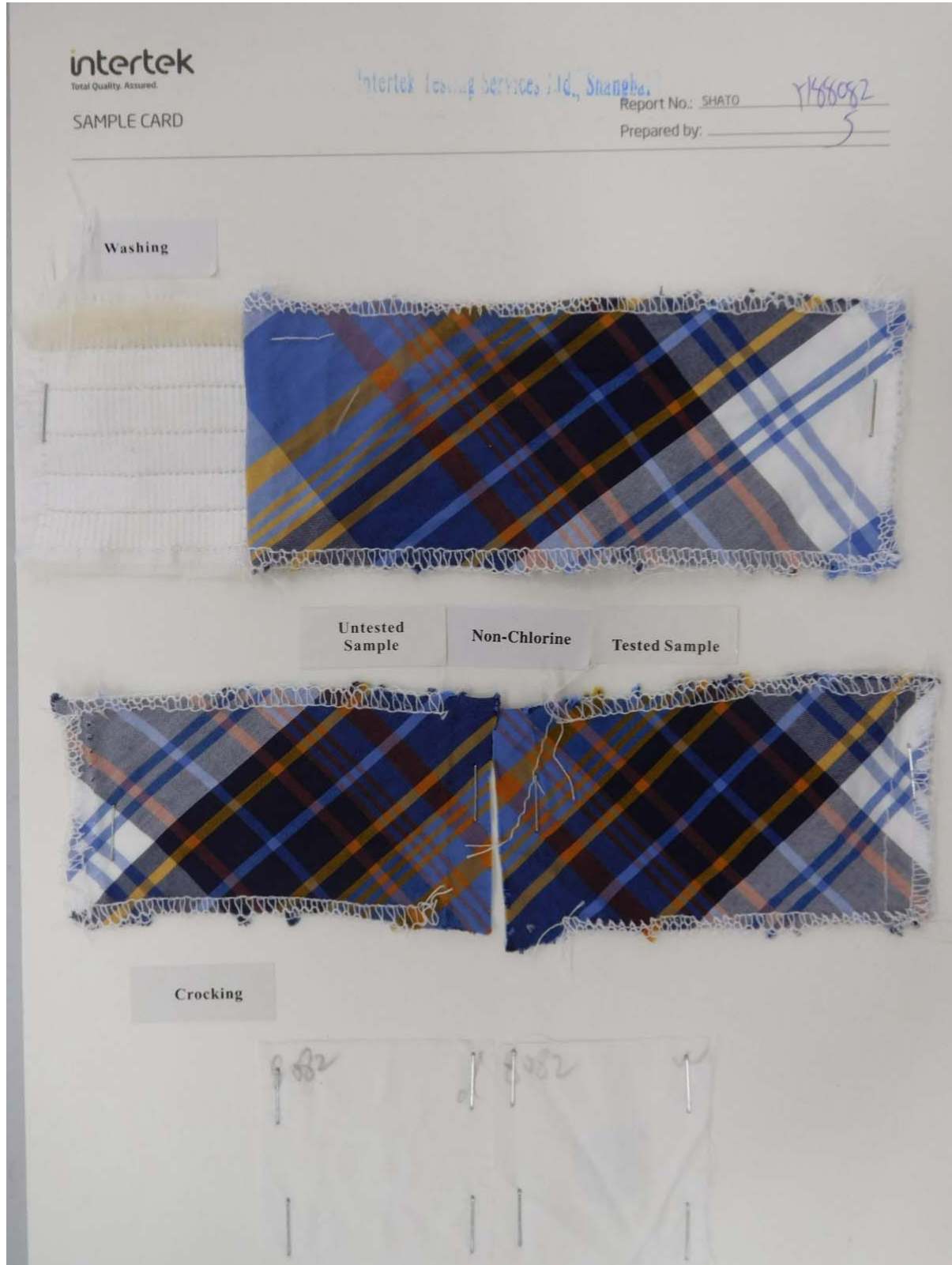
Original



Color fastness

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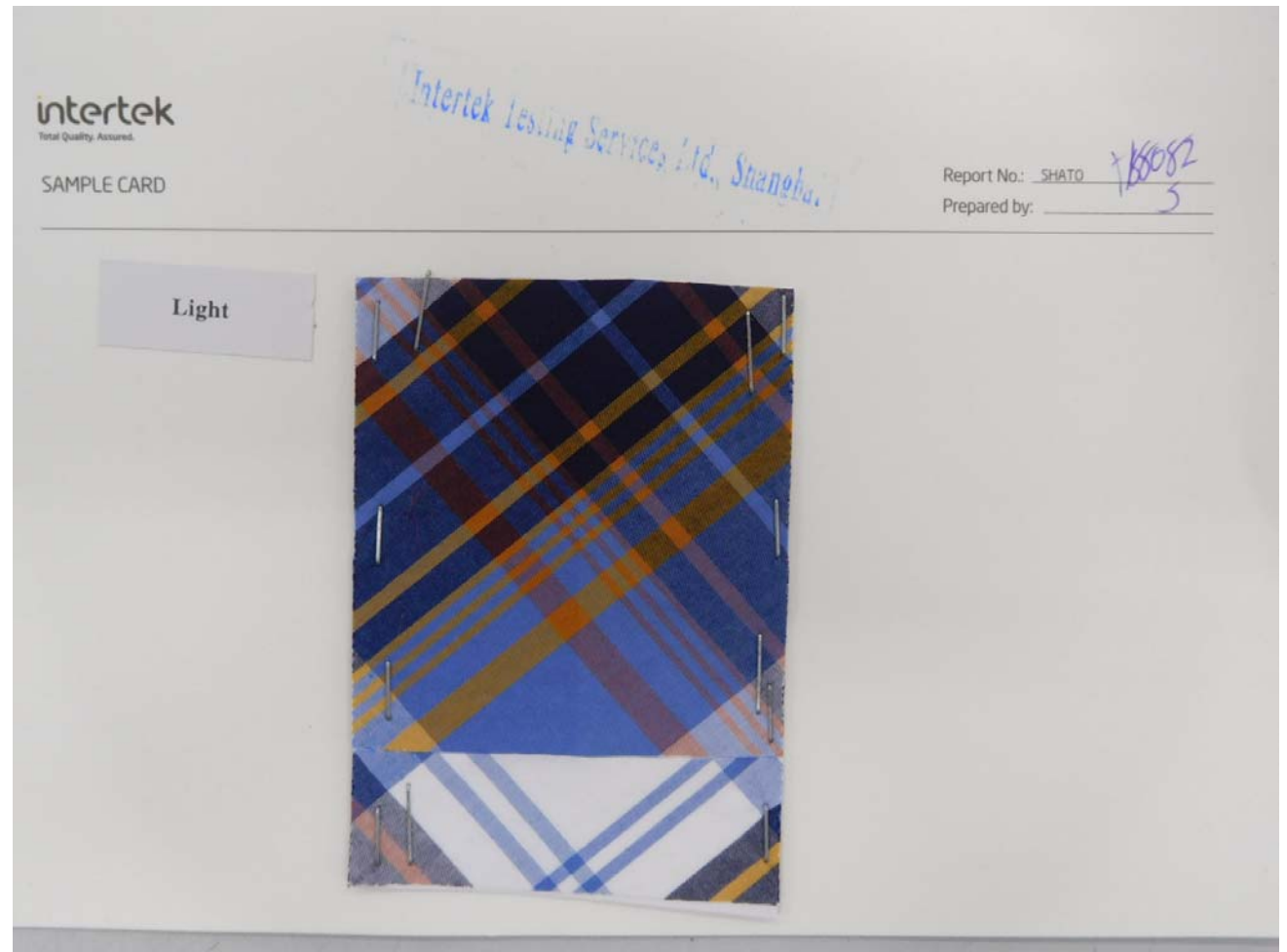
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TEST REPORT

Number : SHAT05188082S1

Applicant : MERIDIAN INC
2/F, NO.555 LONGHUA RD(W), SHANGHAI,
CHINA

Date : Nov 13, 2017
THIS IS TO SUPERSEDE REPORT
NO. SHAT05188082 DATED SEP
18, 2017

Attn : KITTY HONG
(C/O: TOMMY HILFIGER (HK) LIMITED
EUROPE ORDER MENS SPORTSWEAR
ATTN: Sean Dong/ Kennech Li/Hebe Zhang)

Sample Description :

Fabric Test Report

One (1) Piece Of Submitted Cutting Said To Be 100% Cotton Y/D Woven Fabric In #Bright White/Dutch Blue.

Applicant's Provided Care Instruction: UE-8B

US:



EU:



Close All Fasteners
Wash Dark Color Separately
Dry Promptly, Steam Iron

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai

Jennifer Ren
General Manager

TEST REPORT

Number : SHAT05188082S1

Buyer : Tommy Hilfiger
Division : -TH EU/EUROPE ORDER MENS SPORTSWEAR
Fabric Description : 100% Cotton 57/58" 130*100/50*50 Y/D Poplin regular
Colour Name & Code : #Bright White/Dutch Blue
Construction : 130*100
Yarn Count : 50*50
Fabric Name : **EC NORMAN CHK**
Fabric Content : 100% Cotton
Fabric Weight : 107 G/SQM
Style Name : **EC PEPPY CHECK SHIRT**
Style No. : MWOMW06480
Season : SP'18
P.O. No. : PO#73694/YJ7221
Article No. : -
Special Claim : REGULAR FINISH
Garment Type : SHIRT
Fabric Supplier : W.KENNY CO.,LTD
Garment Fty. : CHINA UNIQUE
Age Range : Adult
Sample Testing For : Bulk(Full Fabric Test)
Care Label : UE-8B
Date Received : Sep 15, 2017
Date Test Started : Sep 15, 2017
Ref. : **PVH HK**
Number Of Retest : -

Prepared And Checked By:
For Intertek Testing Services Ltd.,Shanghai



Jennifer Ren
General Manager

Intertek Testing Services Ltd., Shanghai

2/F, Building No.4, Shanghai Comalong Technology Service Park,
889 Yishan Road, Shanghai 200233, China
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Tel: +86 21 6120 6060 Fax: +86 21 6485 0592 E-mail: textile.shanghai@intertek.com Website: Intertek.com
Attention is drawn to the terms and conditions printed overleaf

TEST REPORT

Number : SHAT05188082S1

Conclusion:

Dimensional Stability To Washing	M
Appearance After Wash	M
Color Fastness To Washing	M
Color Fastness To Crocking As Received	M
Color Fastness To Light	M
Color Fastness To Perspiration	M
Color Fastness To Water	M
Color Fastness To Non-Chlorine Bleach After Wash	M
Tensile Strength As Received	M
Tearing Strength As Received	M
Seam Slippage As Received	M
Weight Per Unit Area	M

Note : M = Meet Buyer's Requirement
= No Specified Requirement

F = Below Buyer's Requirement
N/A = Not Applicable

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai



Jennifer Ren
General Manager

Intertek Testing Services Ltd., Shanghai

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TEST REPORT

Number : SHAT05188082S1

Tests Conducted (As Requested By The Applicant)

- 1 Dimensional Stability To Washing (Close All Fasteners, AATCC 135-2015, Test No. (3)IIIA(III), Machine Wash At 105°F, Permanent Press Cycle With Dummy Load To 1.8 kg, Followed By Tumble Dry - Permanent Press With Hand Ironing):

		<u>Requirement</u>
<u>After The 1st Wash</u>		
Warp	-0.4%	-5%/+3%
Weft	Neg.	-5%/+3%
<u>After The 3rd Wash</u>		
Warp	-0.8%	-5%/+3%
Weft	-0.2%	-5%/+3%

Remark : (+) Means Extension and (-) Means Shrinkage
Neg. = Negligible

TEST REPORT

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Tests Conducted (As Requested By The Applicant)

- 2 Appearance After Wash (Close All Fasteners, Machine Wash At 105°F, Permanent Press Cycle With Dummy Load To 1.8 kg, In Tide With Bleach Detergent Solution, Followed By Tumble Dry - Permanent Press):

		<u>Requirement</u>
<u>After The 1st Wash</u>		
Color Change Of The White Color	4	4
Color Change Of The Other Colors	4-5	
Staining	No Visible Staining	No Visible Staining
Twist	Nil	3.0%
<u>Observation :</u>		
- Moderate Creases Were Found On The Washed Sample But Most Of Them Could Be Removed After Warm Steam Ironing.		Acceptable

Overall Comment : Acceptable

		<u>Requirement</u>
<u>After The 3rd Wash</u>		
Color Change Of The White Color	4	4
Color Change Of The Other Colors	4-5	
Staining	No Visible Staining	No Visible Staining
Twist	Nil	3.0%
<u>Observation :</u>		
- Moderate Creases Were Found On The Washed Sample But Most Of Them Could Be Removed After Warm Steam Ironing.		Acceptable

Overall Comment : Acceptable

TEST REPORT

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Tests Conducted (As Requested By The Applicant)

3 Color Fastness To Washing (AATCC 61-2013, Test No. 2A, 45 Minutes Mechanical Wash At 120°F In 0.15% AATCC WOB Detergent Solution With 50 Steel Balls):

		<u>Requirement</u>
Color Change	4-5	4
Color Staining		4
-Acetate	4-5	
-Cotton	4-5	
-Nylon	4-5	
-Polyester	4-5	
-Acrylic	4-5	
-Wool	4-5	
Self Staining	4-5	4-5

4 Color Fastness To Crocking As Received (AATCC 8-2016):

		<u>Requirement</u>
Dry	4-5	3-4
Wet	4	2-3

5 Color Fastness To Light (AATCC 16.3-2014, Option 3, Xenon-Arc Lamp):

	<u>White</u>	<u>Requirement</u>
<u>20 Hours Exposure</u>		<u>Light Color</u>
Grade	3-4	3-4

6 Color Fastness To Light (AATCC 16.3-2014, Option 3, Xenon-Arc Lamp):

	<u>Others</u>	<u>Requirement</u>
<u>20 Hours Exposure</u>		<u>All Others</u>
Grade	4	4

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Tests Conducted (As Requested By The Applicant)

7 Color Fastness To Perspiration (AATCC 15-2013):

		<u>Requirement</u>
Color Change	4-5	4
Color Staining		4
-Acetate	4-5	
-Cotton	4-5	
-Nylon	4-5	
-Polyester	4-5	
-Acrylic	4-5	
-Wool	4-5	

8 Color Fastness To Perspiration (AATCC 15-2013):

		<u>Requirement</u>
Self Staining	4-5	4-5

9 Color Fastness To Water (AATCC107-2013):

		<u>Requirement</u>
Color Change	4-5	4
Color Staining		4
-Acetate	4-5	
-Cotton	4-5	
-Nylon	4	
-Polyester	4-5	
-Acrylic	4-5	
-Wool	4-5	

10 Color Fastness To Water (AATCC 107-2013):

		<u>Requirement</u>
Self Staining	4-5	4-5

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Tests Conducted (As Requested By The Applicant)

- 11 Color Fastness To Non-Chlorine Bleach After Wash (THHK Test Method, Soaking In 2.5% Clorox 2 Solution At 120°F For One minute):
Washing Condition : AATCC 61-2010, Test No. 2A, 45 Minutes Mechanical Wash At 120°F In 0.15% AATCC WOB Detergent Solution With 50 Steel Balls.

		<u>Requirement</u>
Color Change		4-5
-Without Suppressor	4-5	

- 12 Tensile Strength As Received (ASTM D5034-2009(2013), 1-in Grab Test, Tensile Testing Machine, CRE):

		<u>Requirement</u>
Warp	81.6 lbf	20 lbf
Weft	65.3 lbf	20 lbf

- 13 Tearing Strength As Received (ASTM D1424-09(2013)^{e1}, Elmendorf Tear Tester, Manual Clamps):

		<u>Requirement</u>
Across Warp	2.5 lbf	1.8 lbf
Across Weft	2.1 lbf	1.5 lbf

- 14 Seam Slippage As Received (ASTM D434-1995, Tensile Testing Machine, CRE):

		<u>Requirement</u>
<u>S.O. 6 mm</u>		<u>S.O. 6 mm</u>
// To Warp	*	15 lbf
// To Weft	*	15 lbf
<u>Strength</u>		<u>Strength</u>
// To Warp	55.3 lbf(FTS)	20 lbf
// To Weft	67.7 lbf(FTS)	20 lbf

Remark : S.O. 6 mm = Seam Opened At 6 mm
 FTS = Fabric torn at seam
 * = The seam opening was less than 6 mm though the ultimate seam strength was found as stated.

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Tests Conducted (As Requested By The Applicant)

15 Weight Per Unit Area (ASTM D3776 / D3776M - 09a(2013), Option C):

112.3 g/m²
(3.3 oz/yd²)

Marked
107 g/m²
+/- 5%

End of Report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.

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To : MERIDIAN INC
Attention : KITTY HONG Date : Nov 13, 2017
(C/O: TOMMY HILFIGER (HK) LIMITED
EUROPE ORDER MENS SPORTSWEAR
ATTN: Sean Dong/ Kennech Li/Hebe Zhang)

Re : Report Revision Notification

Report Number SHAT05188082 Date(SEP 18, 2017)

Please note the changes in the above captioned report. This captioned report is now superseded by a revised report, Number SHAT05188082S1 , issued on (Nov 13, 2017).

Requested Change	Change Sample Description.
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Thank you for your attention

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai



Jennifer Ren
General Manager

