



TEST REPORT NO : B50511318

OCT.25, 2013

Page : 1 of 7

Applicant : SHANGHAI XM GROUP LTD. Test Date : OCT.18-25, 2013
Address : ROOM 2403, ZHONG YI INTERNATIONAL BUILDING NO. 1833 NORTH ZHONG SHAN ROAD PU TUO DISTRICT.

Contact Person : HE XIAOYAN

Sample Description: SX472 93%5%2% 150GSM, LOT #FD-Z-MF03, ROYAL BLUE, DOPE DYED
Buyer: / Style No.: FD-Z-MF03
Color: ROYAL BLUE Fabric Weight: 150gsm
Fibre Content: 93%5%2%

Care Instructions:



Sample Information :

Table with 3 columns: Sample ID, Description, Equivalent Code / Color. Row 1: 001, WOVEN FABRIC IN ROYAL BLUE

FOR AND ON BEHALF OF UL VS SHANGHAI LIMITED.

Justin Zhou (handwritten signature)

Justin Zhou-VS Engineering Manager(Engineering Team)

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TEST REPORT NO : B50511318

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Page : 2 of 7

<u>TEST</u>	<u>Sample ID</u>
Dimensional Change after Washing	001
Colour Fastness to Washing	NC
Colour Fastness to Rubbing	NC
Colour Fastness to Artificial Light : Xenon Arc Fading Lamp Test	NC
Tearing Strength - Single Tear Method	NC
Formaldehyde Content	NC
Limited Flame Spread Method	NC
Note : NC = No Comment	

Note: The results relate only to the items tested

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UL VS Shanghai Limited
4/F Annex, Dragon Pearl Plaza
2123 Pudong Avenue
Shanghai 200135, P.R. China
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ADF-001 (201304)



TEST(S) CONDUCTED:
AS REQUESTED BY THE APPLICANT

CLIENT
REQUIREMENT

(1) **DIMENSIONAL STABILITY TO WASHING** (ISO 6330:2012/5077:2007, FRONT LOADING WASHING MACHINE, MACHINE WASH 7N AT70°C AND FOLLOWED BY TUMBLE DRY LOW WITH WARM IRON.)

<u>AFTER THE 5TH WASH</u>	(001)	
WARP	-1.0%	-
WEFT	0.0%	-

NOTE : (+) MEANS EXTENSION (-) MEANS SHRINKAGE

(2) **COLOUR FASTNESS TO WASHING** (ISO 105-C06:2010 D2S, 30 MINUTES MECHANICAL WASH AT 70°C WITH 4g/l ECE REFERENCE DETERGENT AND 1g/l SODIUM PERBORATE, 25 STEEL BALLS.)

	(001)	
COLOUR CHANGE	4-5	-
COLOUR STAINING		
-ACETATE	4-5	-
-COTTON	4-5	
-POLYAMIDE	4	
-POLYESTER	4-5	
-ACRYLIC	4-5	
-WOOL	4-5	

(3) **COLOUR FASTNESS TO RUBBING** (ISO 105 X12-2001)

<u>ORIGINAL</u>	(001)	
DRY	4	-
WET	4-5	

(4) **COLOUR FASTNESS TO LIGHT** (ISO 105-B02:2013, METHOD 2)

<u>AT STANDARD 4 :</u>	(001)	
GRADE	ABOVE 4	-

(5) **TEARING STRENGTH** (ISO 13937-2:2000)

<u>AFTER THE 5TH WASH</u>	(001)	
WARP (N)	51	-
WEFT (N)	46	-

WASHING CONDITION: FRONT LOADING WASHING MACHINE, MACHINE WASH 7N AT70°C AND FOLLOWED BY TUMBLE DRY LOW WITH WARM IRON

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TEST REPORT NO : B50511318

OCT.25, 2013

Page : 4 of 7

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(6) **FORMALDEHYDE CONTENT:**
ACCORDING TO ISO 14184-1: 2011 (DETECTION LIMIT: 16mg/kg)

SAMPLE	FORMALDEHYDE CONTENT (mg/kg)	CLIENT'S REQUIREMENT (mg/kg)
(001)	<16.0	-

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4/F Annex, Dragon Pearl Plaza
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ADF-001 (201304)



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OCT.25, 2013

Page : 5 of 7

TEST(S) CONDUCTED:
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REQUIREMENT

- (7) LIMITED FLAME SPREAD METHOD
 - TEST METHOD:ISO 15025:2000
 - TEST PROCEDURE: PROCEDURE A –SURFACE IGNITION
 - BURN SIDE: FACE
 - FLAME IGNITION TIME: 10.0 SECONDS

	SAMPLE 001	
Surface Ignition Flame Reached The Upper Edge Or Either Vertical Edge Of The Test Specimen (Y/N)	LENGTH	WIDTH
Specimen 1	N	N
2	N	N
3	N	N
Afterflame Times (S)		
Specimen 1	0	0
2	0	0
3	0	0
Afterflame Times (S)		
Specimen 1	0	0
2	0	0
3	0	0

REMARK:
 AFTER THE 5TH WASH
 WASHING CONDITION: FRONT LOADING WASHING
 MACHINE, MACHINE WASH 7N AT70°C AND FOLLOWED
 BY TUMBLE DRY LOW WITH WARM IRON
 S=TIME IN SECONDS
 Y=YES, WAS OBSERVED
 N=NO, WAS NOT OBSERVED

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Page : 6 of 7

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LIMITED FLAME SPREAD METHOD
TEST METHOD:ISO 15025:2000
TEST PROCEDURE: PROCEDURE A –SURFACE IGNITION
BURN SIDE: FACE
FLAME IGNITION TIME: 10.0 SECONDS

SAMPLE 001

	LENGTH	WIDTH
Afterglow spreads beyond the flame spread area(usually the carbonized area) into the Undamaged are (Y/N)		
Specimen 1	N	N
2	N	N
3	N	N
Flame Debris (Y/N)		
Specimen 1	N	N
2	N	N
3	N	N
Debris Ignite The Filter Paper (Y/N)		
Specimen 1	N	N
2	N	N
3	N	N
Hole Developed, In Which Layer For A Muultilayer Specimen (Y/N)		
Specimen 1	N	N
2	N	N
3	N	N

REMARK:
AFTER THE 5TH WASH
WASHING CONDITION: FRONT LOADING WASHING MACHINE, MACHINE WASH 7N AT70°C AND FOLLOWED BY TUMBLE DRY LOW WITH WARM IRON
S=TIME IN SECONDS
Y=YES, WAS OBSERVED
N=NO, WAS NOT OBSERVED

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ADF-001 (201304)



TEST REPORT NO: B50511318

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Page : 7 of 7



**** End of Report ****

Fireline

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