



**CENTRE OF TESTING SERVICE  
INTERNATIONAL**

**OPERATE ACCORDING TO ISO/IEC 17025**

# **TEST REPORT**

**Test Report Number : CGZ3170217-00293-CO**

**CTS (Ningbo) Testing Service Technology Co., Ltd.  
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The measurement results only apply to the submitted samples.  
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**1 General Information****1.1 Application Details**

Name : Fuzhou Shanhecheng Imp. & Exp. Co., Ltd.  
Address : Area B, 20/F, Bldg. A (Xinhuaxing Building) No. 155, Hualin Road,  
Fuzhou, Fujian, China (Mainland)  
Contact : Mr Gao  
Telephone : +86-0591-87304758  
Fax : +86-0591-87816036  
Mobile telephone : +86-13774575331  
Email : /

**1.2 Manufacturer & Buyer**

Manufacturer name : /  
Address : /  
Contact : /  
Telephone : /  
Fax : /  
Mobile telephone : /  
Email : /  
Buyer name : /

**1.3 Description of the Test Item**

Sample name : 110g Knitted polyester / direct printing,  
300D polyester / direct printing,  
Wrinkle-Resistant 300D Polyester / dye sublimation,  
600D Oxford PU Coated / dye sublimation  
Model No. : /  
Brand name : /  
Condition of sample(s) : EFFECTIVE

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## 2 Test Results

### 2.1 General Information

#### 2.1.1 Sample Receiving Date

Feb. 14, 2017

#### 2.1.2 Testing Period

Feb. 14, 2017 to Feb. 17, 2017

#### 2.1.3 Test Requested

Please refer to the following page(s)

#### 2.1.4 Test Method

Please refer to the following page(s)

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### 2.2 Results

#### 2.2.1 Color Fastness to Light

ISO 105 B02: 2014, xenon –arc lamp, at standard 6

Test Items	Test Results					
	No.1					
	Pink	Black	White	Dark orange	Diddle orange	Light orange
Color Change	6	6	6	>6	6	6

Test Items	Test Results	
	No.2	
	Yellow	Black
Color Change	6	6

Note : 1. The test results only apply to the materials requested by applicant.

#### 2.2.2 Color Fastness to Washing

ISO 105-C10:2006

Wash at 40°C, wash time 30 minutes, with 0.5% soap solution, 10 steel balls.

Test Items	Test Results	
	No.1	No.3
Color Change	4-5	4-5
Color Staining		
Acetate	4-5	4-5
Cotton	4-5	4-5
Nylon	4-5	4-5
Polyester	4-5	4-5
Acrylic	4-5	4-5
Wool	4-5	4-5

Note : 1. The test results only apply to the materials requested by applicant.

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### 2.2.3 Ultraviolet protection properties for fabric

BS EN 13758-1:2001

Test Items	Test Results
	No.4
NUMBER OF SPECIMEN (S) TESTED	10
MEAN UVA TRANSMITTANCE %	/
STANDARD DEVIATION OF MEAN UVA TRANSMITTANCE	/
MEAN UVB TRANSMITTANCE %	/
STANDARD DEVIATION OF MEAN UVB TRANSMITTANCE	/
SAMPLE UVA TRANSMITTANCE	0.001
SAMPLE UPF	50+
PROTECTION CATEGORY	EXCELLENT UV PROTECTION

NOTE: NM = NANOMETER

\* REMARKS:

UPF CLASSIFICATION:

UPF RANGE	PROTECTION CATEGORY	UPF RATINGS
<15	CANNOT CLASSIFIED AS UV PROTECTIVE	-
15 TO 24	GOOD UV PROTECTION	15, 20
25 TO 39	VERY GOOD UV PROTECTION	25, 30, 35
40 TO 50, 50+	EXCELLENT UV PROTECTION	40, 45, 50, 50+

COLOURFASTNESS RATING

GRADE 5	NEGLIGIBLE OR NO CHANGE OR STAINING
GRADE 4	SLIGHTLY CHANGED OR STAINED
GRADE 3	NOTICEABLY CHANGED OR STAINED
GRADE 2	CONSIDERABLY CHANGED OR STAINED
GRADE 1	MUCH CHANGED OR STAINED

Test Part Description :

No.1 : Wrinkle-Resistant 300D Polyester/ dye sublimation  
 No.2 : 110g Knitted polyester/ direct printing  
 No.3 : 300D polyester/ direct printing  
 No.4 : 600D Oxford PU Coated/ dye sublimation

Written by: *Amanda* Inspected by: *Annie* Approved by: *Hytt*

\*\*\* End of Report \*\*\*

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### 3 Sample Reference Photo



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