



**Test Report**

**No. SL918092239748TX**

**Date: Apr 20, 2018**

**Page 1 of 4**

ROYAL AVALON APAREL  
16300 DOWNEY AVE,PARAMOUNT, CA,90723

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : ONE SAMPLE OF 47.5%COTTON 47.5%VISCOSE  
5%ELASTANE FABRIC IN NAVY FOR WEAR

Manufacturer : GANZHOU YIHONG GARMENT CO.,LTD  
Supplier : FUZHOU QIHAO CLOTHING CO.,LTD  
Country Of Origin : China  
Country Of Destination : USA  
Sample Receiving Date : Apr 17, 2018  
Test Performing Period : Apr 17, 2018 - Apr 20, 2018  
Test Performed : Selected tests as requested by applicant against Client's  
performance standard.

\* \* \* \*

Test Result(s) : Please refer to the next page(s).

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Lily Wang  
Account Manager



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**Test Result:**

Requirement

**Ultraviolet Protection Factor / UPF**  
(AATCC 183-2014)

As Received

	<u>Dry Evaluation</u>	<u>Wet Evaluation</u>	
Mean Ultraviolet Protection Factor (UPF) :	578	2115	
Standard Deviation :	162	973	
Rated UPF :	50+	50+	50+
Protection Category	Excellent	Excellent	
Percent Transmittance, T (UV-A) :	0.35%	0.11%	
Percent Transmittance, T (UV-B) :	0.15%	0.05%	
The Percent Blocking, UV-A :	99.65%	99.89%	
The Percent Blocking, UV-B :	99.85%	99.95%	

Test was conducted in wavelength range : 280 - 400 nm

Instrument : UV - Vis Spectrophotometer model

No. of Scans : 6

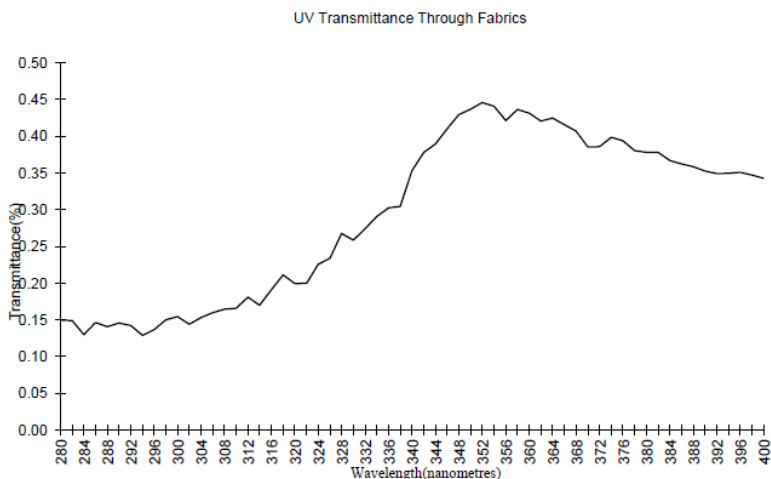
Remarks :

- (1) Ultraviolet Protection Factor (UPF) is the ratio of the average effective ultraviolet radiation (UV-R) irradiance transmitted and calculated through air to the average effective UV-R irradiance transmitted and calculated through fabric.
- (2) The limits of the spectral range of ultraviolet radiation are not well defined and may vary according to the user. Committee E-2.12 of the International Commission on Illumination (CIE) distinguishes in the spectral range between 400 and 100 nm :  
 UV-A : 315 – 400 nm  
 UV-B : 280 – 315 nm  
 UV-R : 280 – 400 nm
- (3) This method can also be used to determine the UPF of wet and/or stretched fabrics. However, the techniques for wetting and/or stretching the specimens are not part of this method and are addressed in a separate test procedure. It must be noted that wetting and/or stretching the specimens could change the UPF properties.
- (4) Refer to ASTM D6603-12, the UV protection category is determined by the UPF values,  
 UPF 40 or greater                      Excellent UV Protection  
  
 UPF in between 25 to 39            Very Good UV Protection  
 UPF in between 15 to 24           Good UV Protection  
 UPF less than 15                    Unclassification
- (5) The listed protection category is for reference only; the market claims for labeling UV-Protection product shall follow guide for labeling elements (marking) for UV-Protection Textiles as stated in ASTM D6603-12

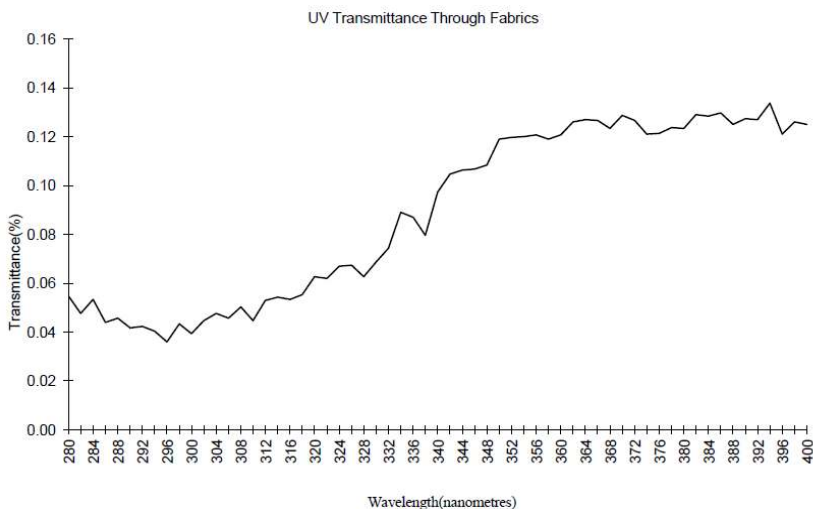


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Dry:



Wet:



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Sample Photo



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



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