

# Test Report

No. SH10021706/TX

Date: Feb 6, 2010

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The Following sample(s) was/were submitted and identified by the client as

Sample Description : One sample of knitted vest in orange

Style No. : Chaleco RFX Citylux/ Chaleco RFX Supervisor Alta Velocidad / Chaleco RFX Alta Velocidad

Sample Brand : RFX

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : FEB. 03, 2010

Testing Period : FEB. 03, 2010 – FEB. 06, 2010

Test Result(s) : For further details, please refer to the following page(s).

Conclusion :

UV \*

Remark: \*=No Specified Requirement

Signed for and on behalf of  
SGS-CSTC Ltd.



Kathy Dong (Account Executive)

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**Test Result**
**Requirement**
**Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics**

(AATCC 183-2004)(As Received)

Body

	<u>Dry Evaluation</u>	<u>Wet Evaluation</u>
Mean Ultraviolet Protection Factor (UPF) :	28	33
Standard Deviation :	2.0	3.0
Rated UPF :	25	25
Protection Category	Very good	Very good
Percent Transmittance, T (UV-A) :	3.98	3.72
Percent Transmittance, T (UV-B) :	3.24	2.72
The Percent Blocking, UV-A :	96.02	96.28
The Percent Blocking, UV-B :	96.76	97.28

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Test was conducted in wavelength range : 280 – 400 nm

Instrument : UV – Vis Spectrophotometer model

No. of Scans : 6

**Remarks :**

- 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.
- 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
- 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.
- Refer to ASTM D6603, 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 25            Good UV Protection  
 UPF in between 15                    Unclassification
- The listed protection category is for reference only; the market claims for labeling UV-Protection product shall follow “Standard Guide For Labeling UV-Protection Textiles” as stated in ASTM D6603-00

Note : Graph Appendix is attached

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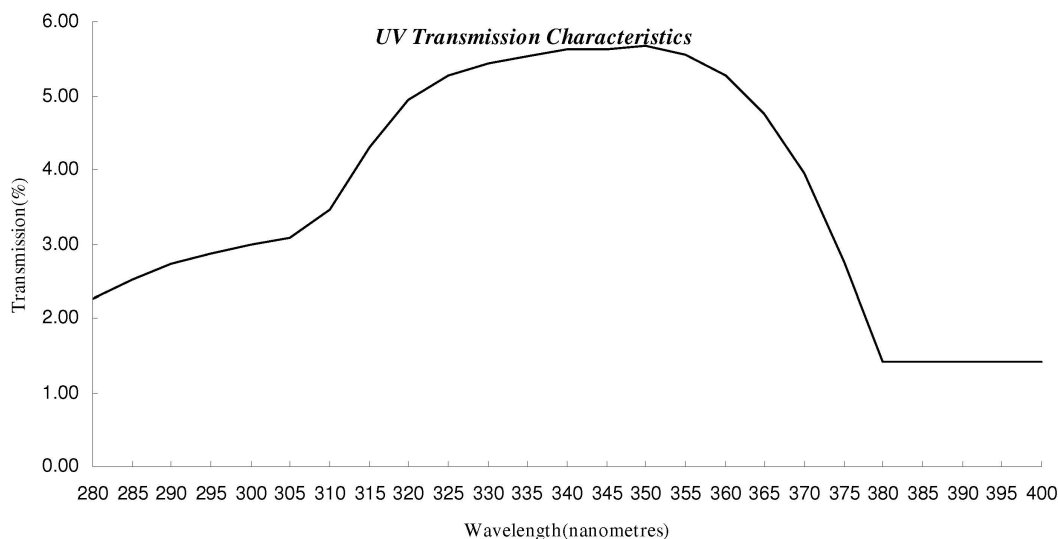
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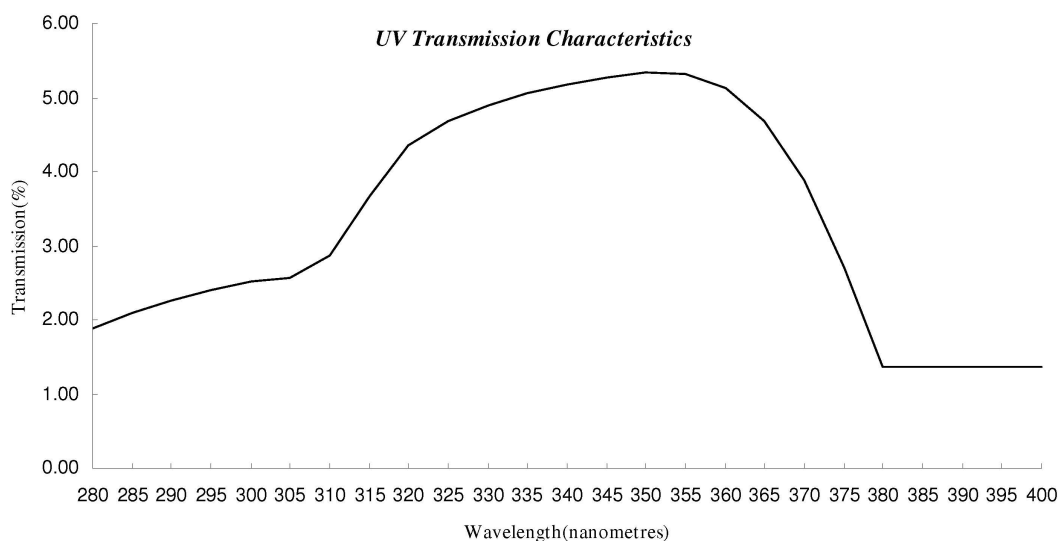
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### Dry Evaluation



### Wet Evaluation



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

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