



**Test Report**

No. SL218023033664TX

Date: Dec 21, 2018

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**THIS REPORT CANCELS AND SUPERSEDES THE TEST REPORT NO.SL218022932144TX  
DATE: 2018-11-28 ISSUED BY SGS QD**

SOCIEDAD IMPORTADORA MARITEX SPA  
EL SALTO #1979, RECOLETA, SANTIAGO-CHILE

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

Sample Description : (A) woven fabric:65%polyester 35%cotton 001# 21X21 TWILL FABRIC IN BLACK FOR DOCKERS AND CARGO for garments pants of adult  
(B) woven fabric:65%polyester 35%cotton 002# 20X16 TWILL FABRIC IN BEIGE FOR DOCKERS AND CARGO for garments pants of adult

Style No. : VESTIR DOCKERS HOMBRE/VESTIR CARGO HOMBRE  
VESTIR DOCKERS MUJER/VESTIR CARGO MUJER

Buyer : SOCIEDAD IMPORTADORA MARITEX SPA

Order No. : 11118#/11218#11318#

Manufacturer : SOCIEDAD IMPORTADORA MARITEX SPA

Country of Destination : CHILE

Supplier : SOCIEDAD IMPORTADORA MARITEX SPA

L/C No. : 11118#/11218#11318#

Proposed Care Instruction :

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

Sample Receiving Date : Nov 22, 2018

Testing Period : Nov 22, 2018 - Nov 28, 2018

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. For further details, please refer to the following page(s).

Signed for and on behalf of  
SGS-CSTC Standards Technical  
Services (Qingdao) Co., Ltd.

Tina Cui (Account Executive)



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Textile Laboratory

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### Test Result

#### Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics (AATCC 183-2014)

As Received	(A)		(B)	
	Dry Evaluation	Wet Evaluation	Dry Evaluation	Wet Evaluation
Mean Ultraviolet Protection Factor (UPF) :	1959	1998	970	370
Standard Deviation :	22.8	1.8	72.2	25.3
Rated UPF :	50+	50+	50+	50+
Protection Category	Excellent	Excellent	Excellent	Excellent
Percent Transmittance, T (UV-A) :	0.06	0.05	0.54	1.84
Percent Transmittance, T (UV-B) :	0.05	0.05	0.05	0.05
The Percent Blocking, UV-A :	99.94	99.95	99.46	98.16
The Percent Blocking, UV-B :	99.95	99.95	99.95	99.95

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 D6603-12, 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
- 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

Note: Graph Appendix is attached



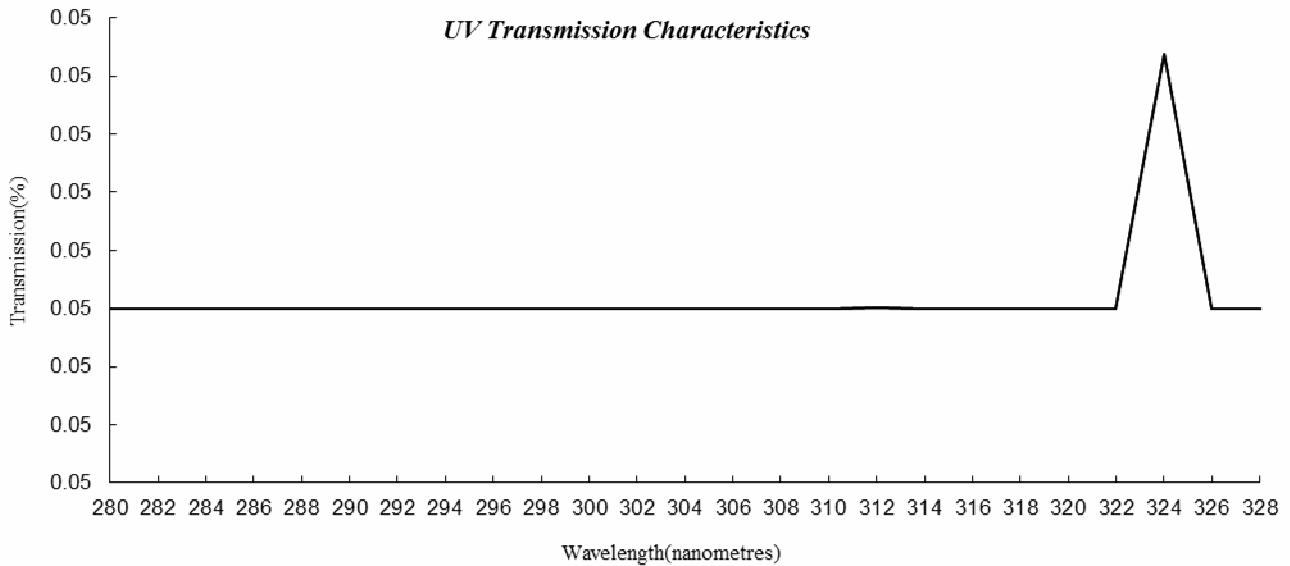
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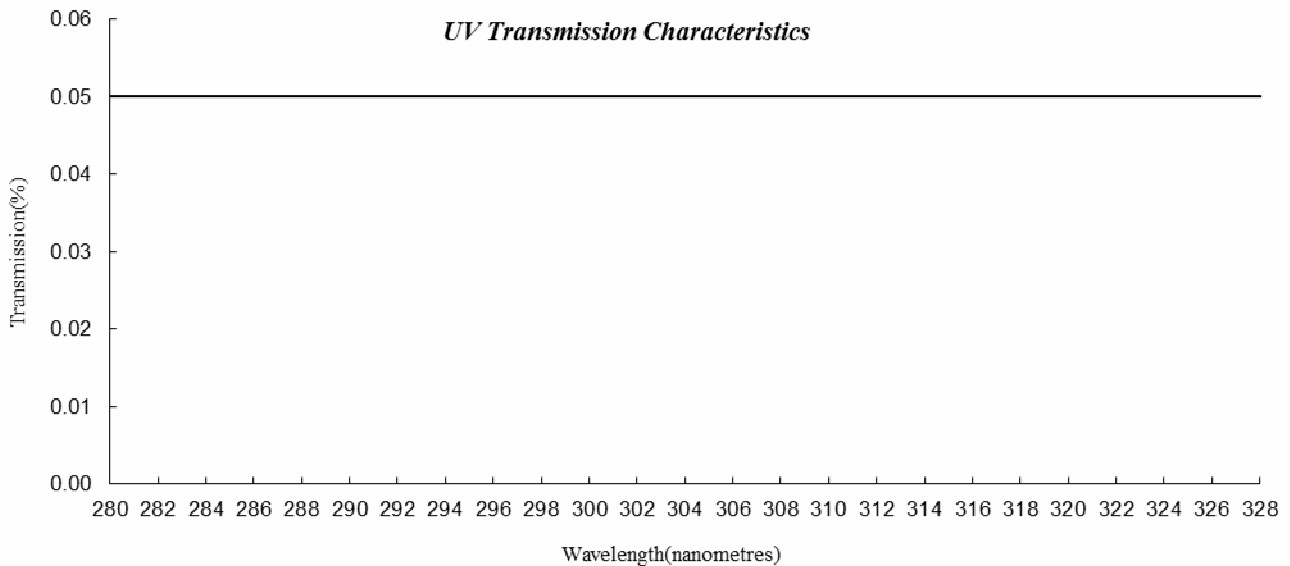
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(A)  
Dry:



Wet:



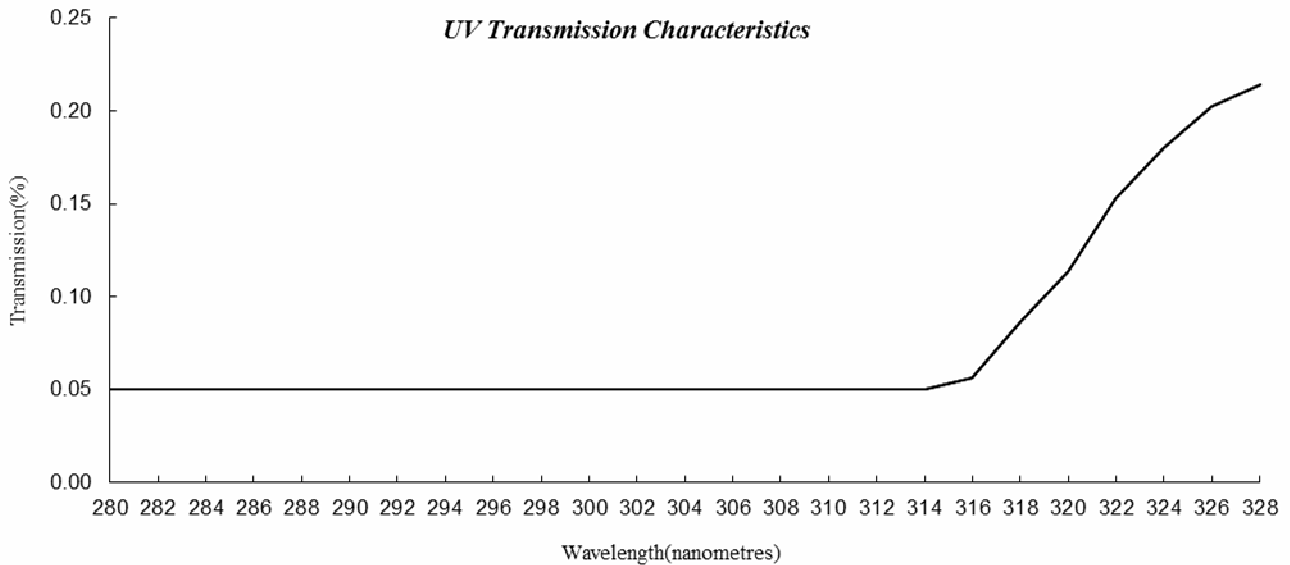
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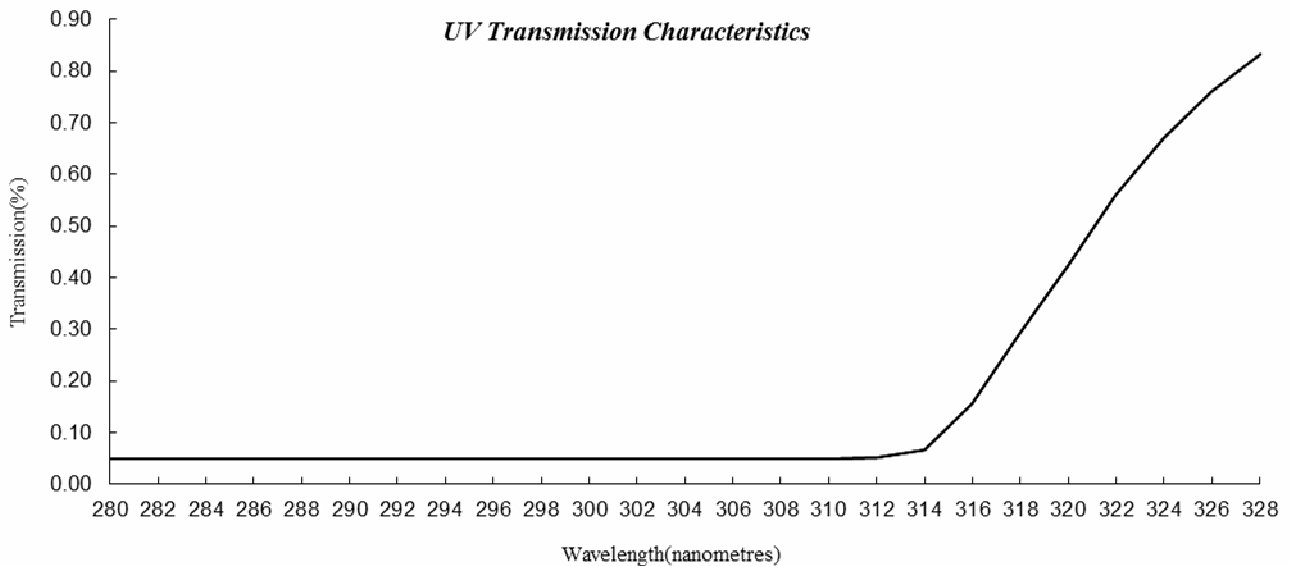


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(B)  
Dry:



Wet:



#The test was carried out by a SGS other internal laboratory



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Sample Photo



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



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