

TEXORA S.A
AVDA.PRESIDENTE EDUARDO FREI MONTALVA 9931,QUILICURA,CHILE

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

Sample Description : (A) woven fabric in white 01
(B) woven fabric in sky blue 18
(C) woven fabric in moss green 24

Order No. : M-1812P1

Style No : 06004/06005

Country of Origin : China

Exported to : Chile

Sample Receiving Date : Oct 22, 2018

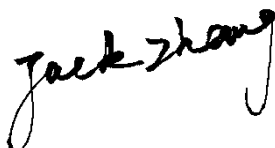
Test Performing Period : Oct 22, 2018 - Oct 26, 2018

Test Performed : Selected tests as requested by applicant.

* * * *

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

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



Jack Zhang (Account Executive)



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Test Result:

Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics[^]

(AATCC 183-2014)

As Received	(A)		(B)		(C)	
	Dry Evaluation	Wet Evaluation	Dry Evaluation	Wet Evaluation	Dry Evaluation	Wet Evaluation
Mean Ultraviolet Protection Factor (UPF) :	144	148	120	148	120	170
Standard Deviation :	4.3	12.5	3.2	12.4	6.4	10.2
Rated UPF :	50+	50+	50+	50+	50+	50+
Protection Category	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Percent Transmittance, T (UV-A) :	0.89	0.99	1.81	2.39	0.94	0.81
Percent Transmittance, T (UV-B) :	0.62	0.58	0.69	0.45	0.71	0.48
The Percent Blocking, UV-A :	99.11	99.01	98.19	97.61	99.06	99.19
The Percent Blocking, UV-B :	99.38	99.42	99.31	99.55	99.29	99.52

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



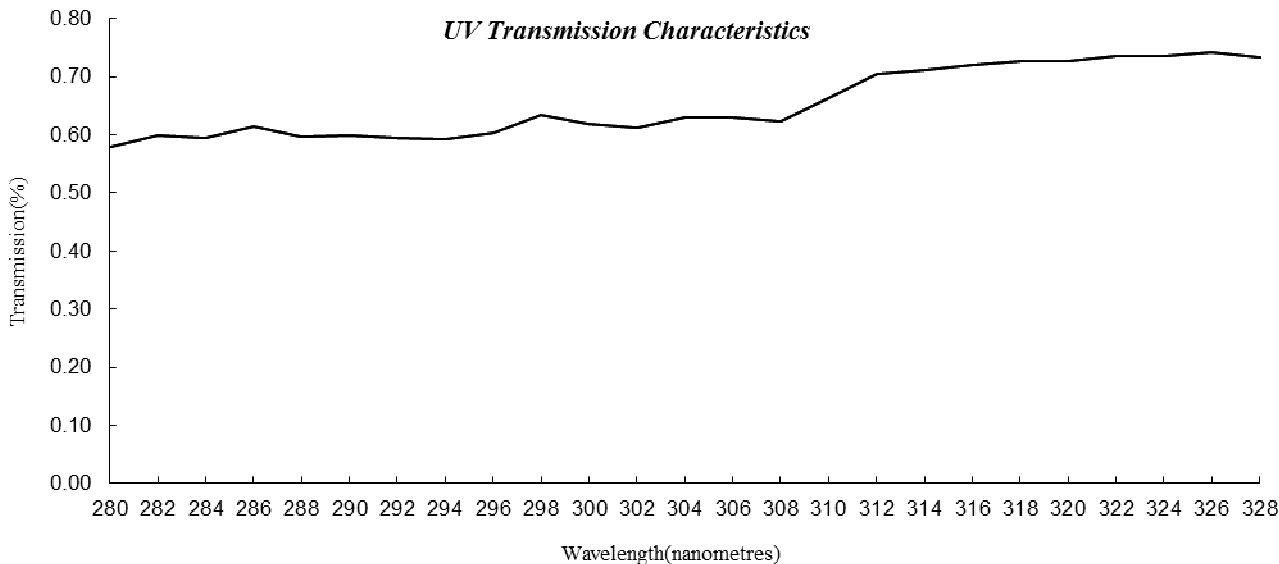
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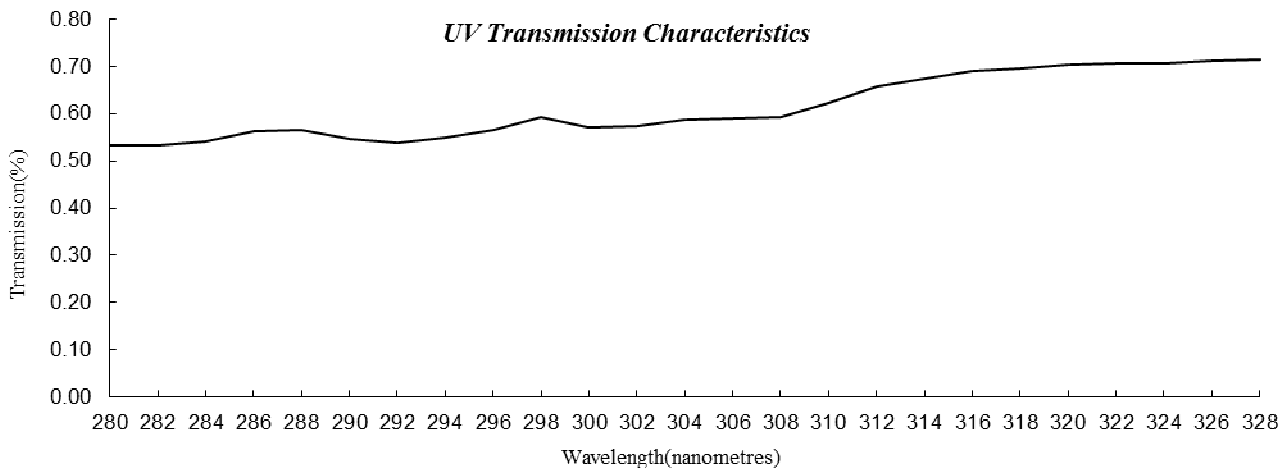
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(A)

Dry

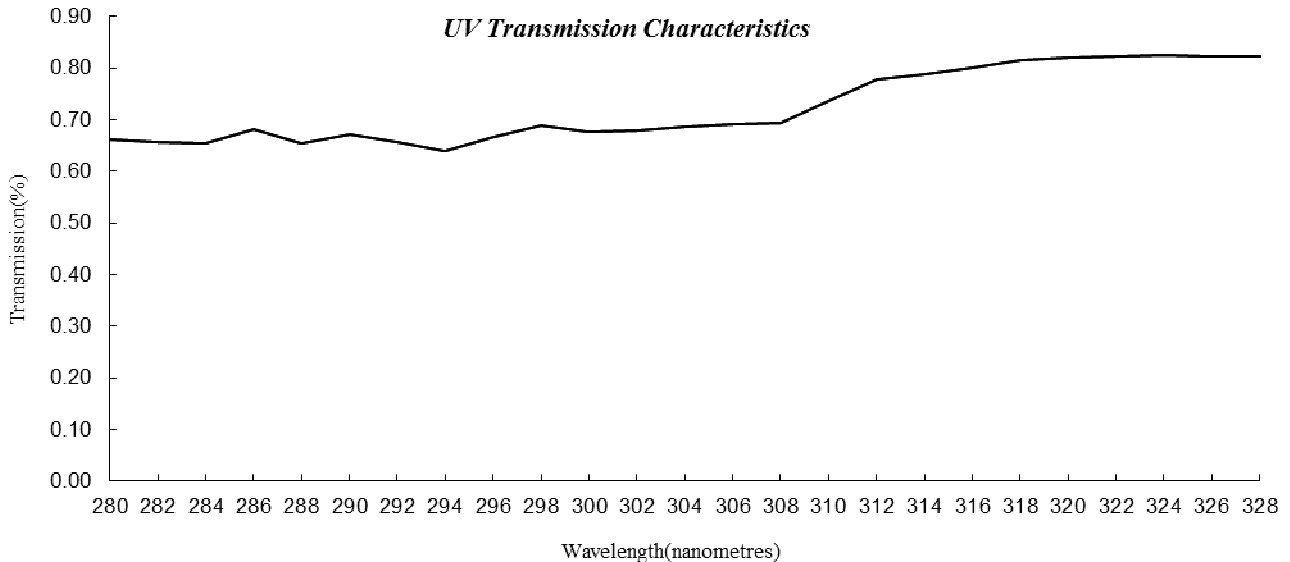


Wet

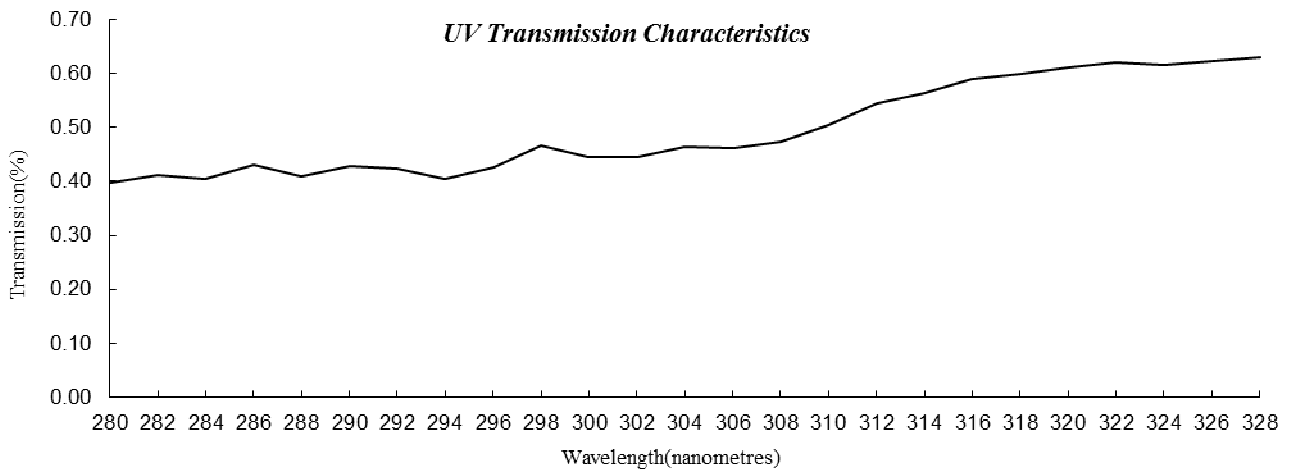


(B)

Dry



Wet

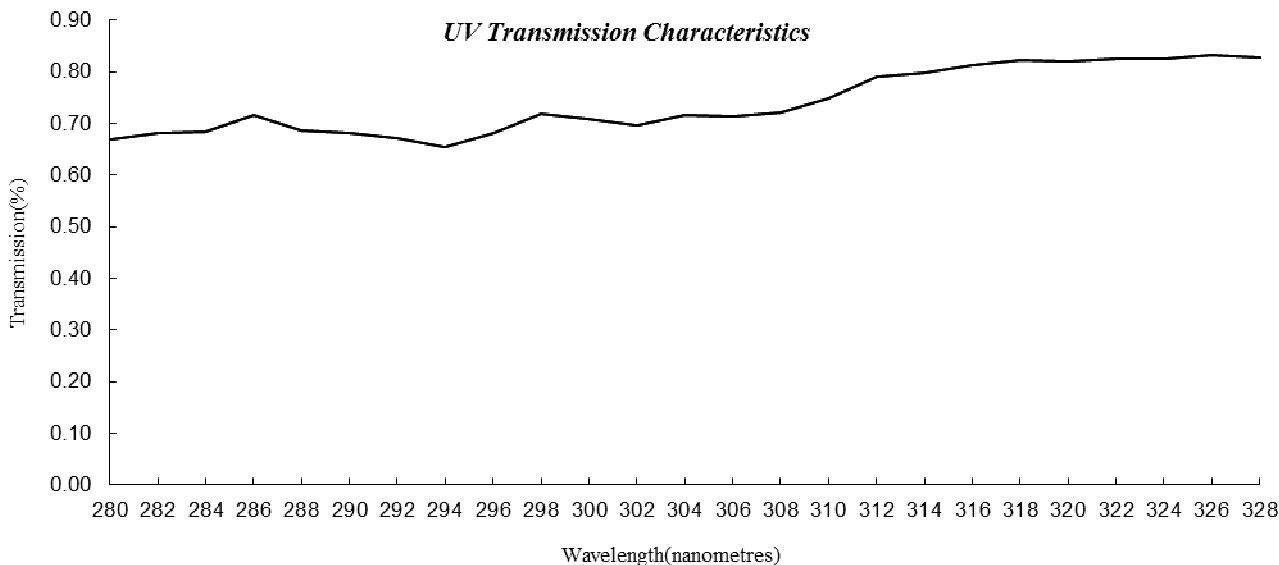


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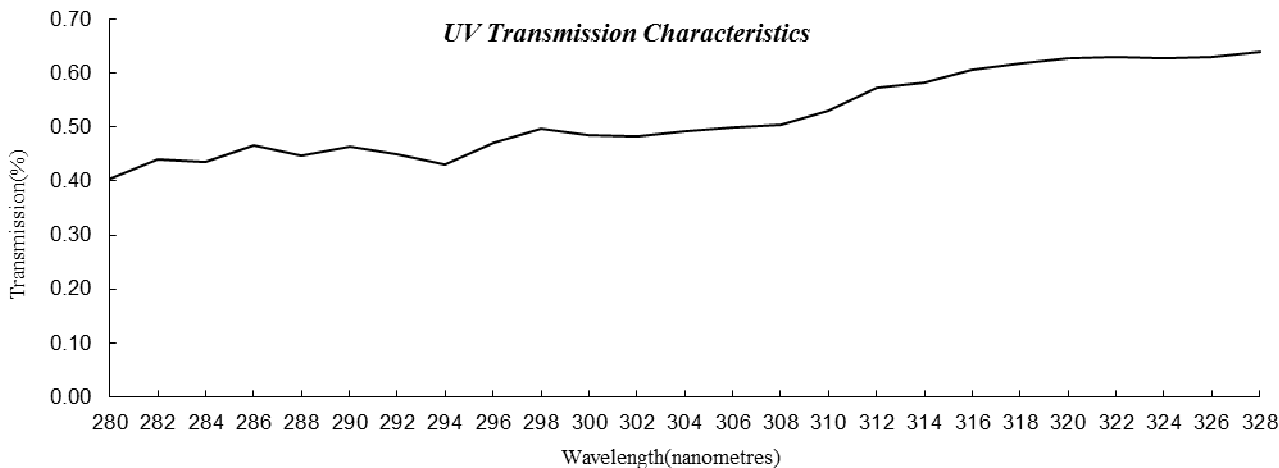
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

(C)

Dry



Wet



^This test was carried out by SGS Shanghai Laboratory

*** End of Report ***



TEXORA S.A
AVDA.PRESIDENTE EDUARDO FREI MONTALVA 9931,QUILICURA,CHILE

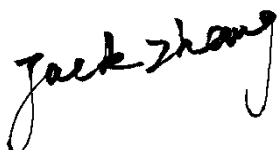
The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A) woven fabric in tusk 36
(B) woven fabric in grill 63
Order No. : M-1812P1
Style No : 10005/10006
Country of Origin : China
Exported to : Chile
Sample Receiving Date : Oct 22, 2018
Test Performing Period : Oct 22, 2018 - Oct 25, 2018
Test Performed : Selected tests as requested by applicant.

* * * *

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

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



Jack Zhang (Account Executive)



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Test Result:

Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics[^]

(AATCC 183-2014)

As Received	(A)		(B)	
	Dry Evaluatio n	Wet Evaluatio n	Dry Evaluatio n	Wet Evaluatio n
Mean Ultraviolet Protection Factor (UPF) :	2000	2000	2000	2000
Standard Deviation :	0.0	0.0	0.0	0.0
Rated UPF :	50+	50+	50+	50+
Protection Category	Excellent	Excellent	Excellent	Excellent
Percent Transmittance, T (UV-A) :	0.05	0.05	0.05	0.05
Percent Transmittance, T (UV-B) :	0.05	0.05	0.05	0.05
The Percent Blocking, UV-A :	99.95	99.95	99.95	99.95
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.
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 UPF in between 25 to 39 Very Good UV Protection
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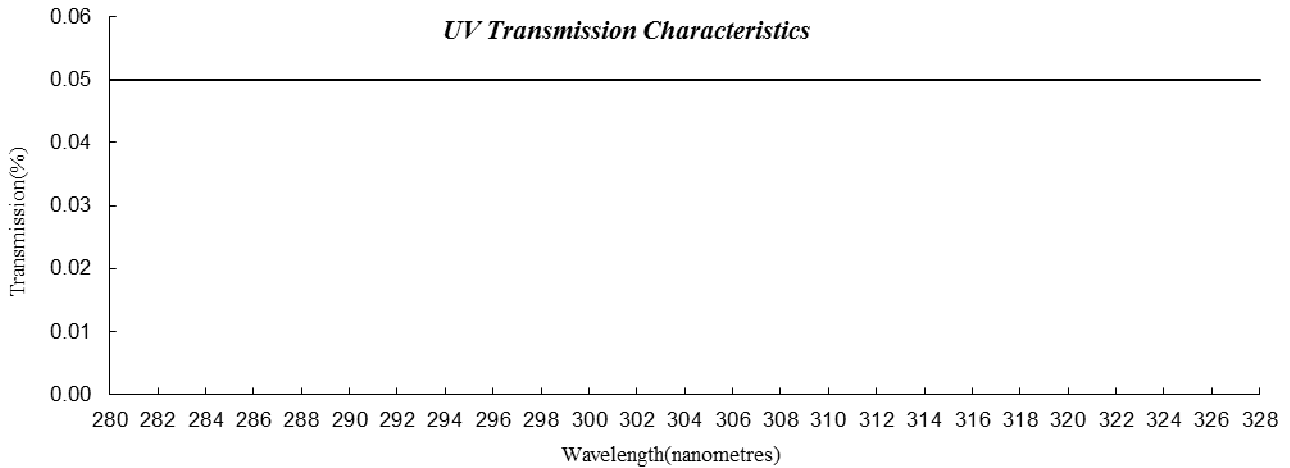
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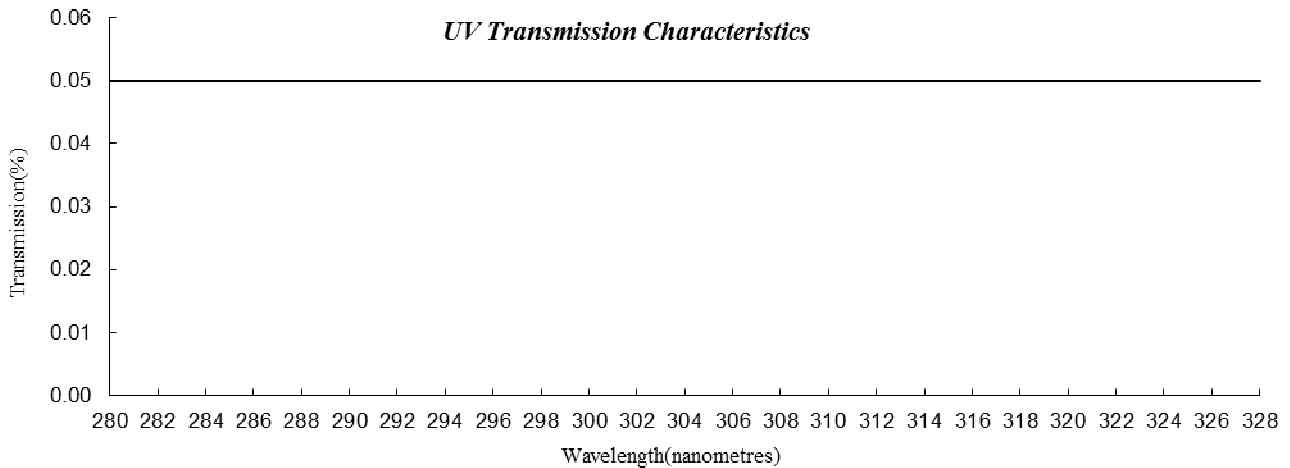
Note: Graph Appendix is attached

(A)

Dry

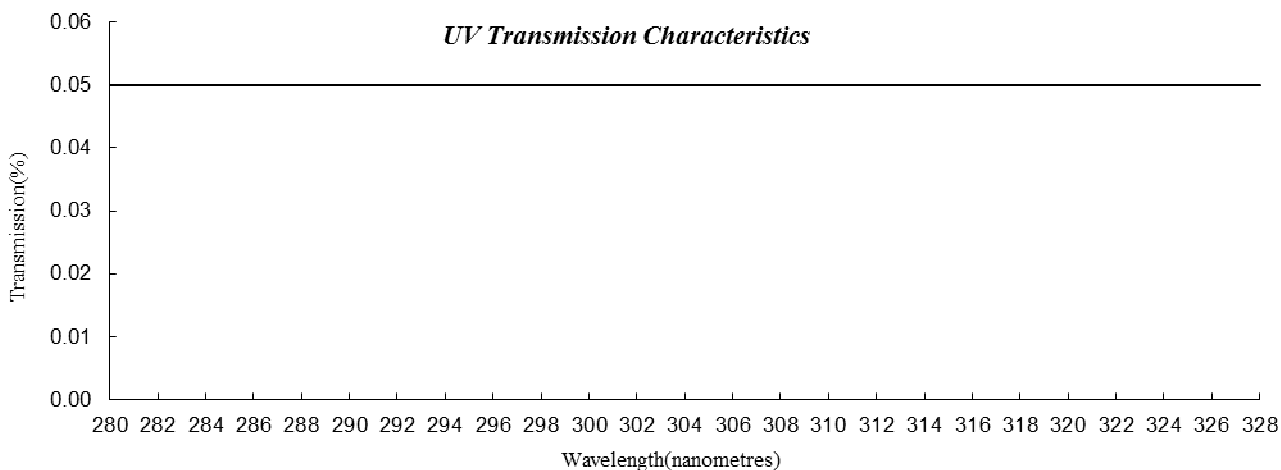


Wet

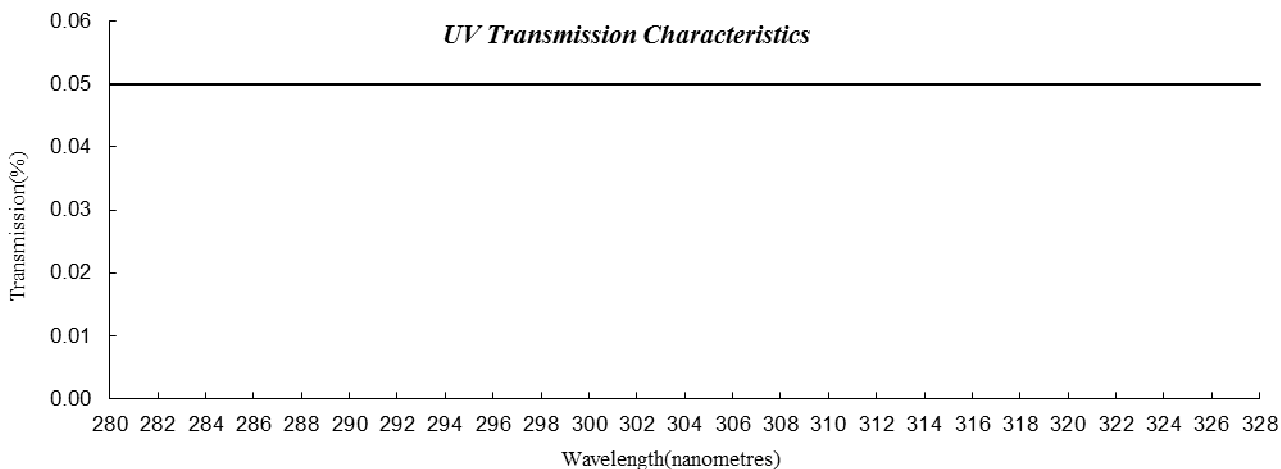


(B)

Dry



Wet



^This test was carried out by SGS Shanghai Laboratory

*** End of Report ***



SGS-CSTC Shanghai Technical Services Co., Ltd.
Hangzhou Branch Textile Laboratory.

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Test Report

No. SL618062990698TX

Date: Nov 07, 2018

Page 1 of 3

TEXORA S.A
AVDA PRESIDENTE EDUARDO FREI MONTALVA 9931,QUILICURA,CHILE

THIS REPORT CANCELS AND SUPERSEDES THE REPORT No. SL618062882597TX DATE: Oct 15, 2018 ISSUED BY SGS HANGZHOU.

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

Sample Description	:	One woven fabric in khaki 31
Order No.	:	M-1812P1
Style No	:	06004/06005
Country of Origin	:	China
Exported to	:	Chile
Sample Receiving Date	:	Oct 11, 2018
Test Performing Period	:	Oct 11, 2018 - Oct 15, 2018
Test Performed	:	Selected tests as requested by applicant.

* * * *

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

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

Jack Zhang (Account Executive)



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SGS-CSTC Standards Technical Services Co., Ltd.
Hangzhou Branch Textile Laboratory.

3-6F, No.4 Building, Huaye Hi-Tech Zone, No.1180, Bin'an Road, Binjiang District, Hangzhou, Zhejiang, China 310052 t (86-571)86791199 f (86-571)87688901 www.sgsgroup.com.cn
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Test Result:

Soil release: oily stain release method

(AATCC 130-2015)

As Received

Stain Release rating : 1.5

Remarks: Class 5 – Stain equivalent to Standard stain 5
 Class 4 – Stain equivalent to Standard stain 4
 Class 3 – Stain equivalent to Standard stain 3
 Class 2 – Stain equivalent to Standard stain 2
 Class 1 – Stain equivalent to Standard stain 1

Note:

- (1) Class 5 represents the best stain removal and Class 1 represents the poorest stain removal by using Stain Release Replica.
- (1) Washing procedure: Test No. (1)II A(i); Machine wash at 80±5 degree F with 4 lb loading (type 1 ballest + specimen) and 100±1g of 1993 AATCC standard reference detergent, normal cycle, tumble dry sturdy.

Water Repellency: Spray Test

(AATCC 22-2017; Spray Test-Tested under controlled condition, water temperature:27±1 °C condition)

Specimen	1	2	3
As Receive			
Rating	100	100	100

Remarks:

Nomenclature for rating:

- 100 -No sticking or wetting of specimen
- 90 - Slight random sticking or wetting of specimen face
- 80 - Wetting of specimen face at spray points
- 70 - Partial wetting of the specimen face beyond the spray points
- 50 - Complete wetting of the entire specimen face beyond the spray points
- 0 - Complete wetting of the entire face of the specimen

Water/ Alcohol Solution Resistance Test

(AATCC Test Method 193-2017)

Grade 8

Remarks:	Grade No	Composition
	0	None (fails 98% water)
	1	98: 2 / water: isopropyl alcohol (vol: vol)
	2	98: 5 / water: isopropyl alcohol (vol: vol)



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3	90:10/ water: isopropyl alcohol (vol: vol)
4	80:20/ water: isopropyl alcohol (vol: vol)
5	70:30/ water: isopropyl alcohol (vol: vol)
6	60:40/ water: isopropyl alcohol (vol: vol)
7	50:50/ water: isopropyl alcohol (vol: vol)
8	40:60/ water: isopropyl alcohol (vol: vol)

Oil Repellency
(AATCC 118-2013)

Grade 6

Remarks:	Grade No	Composition
	0	None (Fails kaydol)
	1	Kaydol
	2	65:35 Kaydol: n-hexadecane by volume
	3	n-hexadecane
	4	n-tetradecane
	5	n-dodecane
	6	n-decane
	7	n-octane
	8	n-heptane

*** End of Report ***



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TEXORA S.A
AVDA PRESIDENTE EDUARDO FREI MONTALVA 9931,QUILICURA,CHILE

THIS REPORT CANCELS AND SUPERSEDES THE REPORT No. SL618062882582TX DATE: Oct 18, 2018 ISSUED BY SGS HANGZHOU.

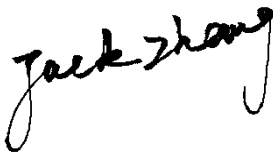
The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : One woven fabric in khaki 31
Order No. : M-1812P1
Style No : 06004/06005
Country of Origin : China
Exported to : Chile
Sample Receiving Date : Oct 11, 2018
Test Performing Period : Oct 11, 2018 - Oct 18, 2018
Test Performed : Selected tests as requested by applicant.

* * * *

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

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Test Result:

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

	<u>Dry Evaluation</u>
Mean Ultraviolet Protection Factor (UPF) :	115
Standard Deviation :	8.8
Rated UPF :	50+
Protection Category	Excellent
Percent Transmittance, T (UV-A) :	2.33
Percent Transmittance, T (UV-B) :	0.73
The Percent Blocking, UV-A :	97.67
The Percent Blocking, UV-B :	99.27

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
- (6) Wet Evaluation was not conducted due to no water pick-up of the specimen after submerged in water for 30 mins.

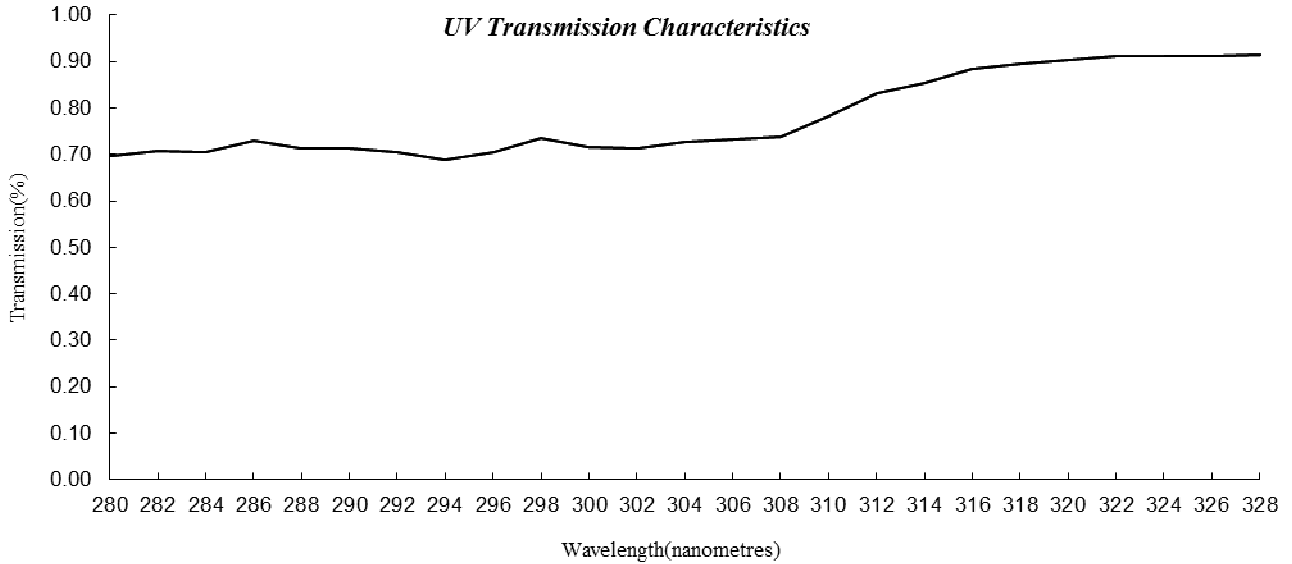
Note: Graph Appendix is attached

Dry:



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^This test was carried out by SGS Shanghai Laboratory

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



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