

JIAXING UNITEX ENTERPRISE CO., LTD.
NO.968 RUIBO ROAD, WANGDIAN TOWN, XIUZHOU DISTRICT, JIAXING CITY, ZHEJIANG

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

Sample Description : (A/B)Woven fabric

Sample Color : (A)WHEAT;(B)RED

Country of Origin : China

Country of Destination : United States

Proposed Care Instruction : -

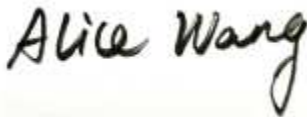
Sample Receiving Date : Jan 04, 2023

Testing Period : Jan 09, 2023 - Jan 11, 2023

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).

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

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



Alice Wang (Authorized Signatory)



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

Test Result

Color Fastness To Light

(AATCC TM 16.3-2020, Option 3; Xenon Arc Lamp)

After 20 AFU

-	Unit	A	B
Change in Shade	Grade	4.5	4.5

Remark: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is worst and 5 is best.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

Ultraviolet Protection Factor (UPF)

(AATCC TM 183-2020; Test Conditions:

- 1) Air temperature: 21±1 degree C.
- 2) Relative humidity: 65±2% R.H.
- 3) Orientation of test specimen: Specimens were clamped on sample holder. Fabric face side is facing the incident UV light.
- 4) Test conducted in wavelength range 280-400 nm.
- 5) Instrument: UV-VIS Spectrophotometer.
- 6) No. of Scans: 6.)

A	Unit	Dry Evaluation	Wet Evaluation
As Received			
Mean Ultraviolet Protection Factor (UPF)	No Unit	61	65
Standard Deviation	No Unit	3.6	3.2
Standard Error	No Unit	5.9	5.2
UPF Rating	No Unit	50+	50+
Protection Category	No Unit	Excellent	Excellent
Percent Transmittance, T (UV-A)	%	3.67	3.59
Percent Transmittance, T (UV-B)	%	0.91	0.83
The Percent Blocking, UV-A	%	96.33	96.41
The Percent Blocking, UV-B	%	99.09	99.17

B	Unit	Dry Evaluation	Wet Evaluation
As Received			
Mean Ultraviolet Protection Factor (UPF)	No Unit	2000	2000
Standard Deviation	No Unit	0.0	0.0
Standard Error	No Unit	0.0	0.0
UPF Rating	No Unit	50+	50+
Protection Category	No Unit	Excellent	Excellent
Percent Transmittance, T (UV-A)	%	0.05	0.05
Percent Transmittance, T (UV-B)	%	0.05	0.05
The Percent Blocking, UV-A	%	99.95	99.95
The Percent Blocking, UV-B	%	99.95	99.95



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

Remarks :

1. 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 24 Good UV Protection
 UPF less than 15 Unclassification

2. 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.

3. 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

4. This method can also be used to determine the UPF of the fabrics in a stretched state. However, the techniques for stretching the specimens are not part of this method and are addressed in a separate test procedure. It must be noted that stretching the specimens could change the UPF properties.

5. 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.
 Sample A: The wet pick-up is 109% due to fabric nature.
 Sample B: The wet pick-up is 76% due to fabric nature.

Water Resistance(Hydrostatic Head)

(AATCC TM 127-2017(2018)e; Hydrostatic Head; Rate of increase of water pressure: 60 mbar/min, temp. of distilled water: 21°C, Face Side Facing Water)

A				
As Received	No. 1	No. 2	No. 3	Average
Water Column(mmH2O)	129	130	125	128

B				
As Received	No. 1	No. 2	No. 3	Average
Water Column(mmH2O)	134	145	139	139

End of Report



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
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
 3rd Building, No. 889, Yishan Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgs.com.cn
 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 sgs.china@sgs.com
 Softline Laboratory