

GUSTAV MULLER GMBH & CO. KG
RUDOLF-DIESEL-STR. 27D-78532 TUTTLINGEN

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

Sample Description : (A-B)Woven fabric

Buyer : Gustav Muller GmbH & Co.KG

Sample Color : (A)beige;(B)navy

Style No. : 178912 (1208, 1263, 1306, 1383, 1580, 1928)

Country of Destination : Germany

Sample Receiving Date : Dec 02, 2022

Testing Period : Dec 02, 2022 - Dec 07, 2022

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



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Conclusion	A	B	Remark
Ultraviolet Protection Factor (UPF)	See Results	See Results	

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



Janice Xu (Account Executive)



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Test Result

Ultraviolet Protection Factor (UPF)##

(AS 4399:2020, Appendix A; Test Conditions

- 1) Air temperature: 21±1°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 290-400 nm
- 5) Instrument: UV-Vis Spectrophotometer model
- 6) No. of Scans: 8)

As Received

	Unit	A	B	Requirement
Mean UPF	-	390	1389	-
Standard Deviation	-	15.4	54.8	-
Standard Error	-	19.0	67.9	-
UPF Rating	-	50+	50+	-
Protection Classification	-	Excellent	Excellent	-
Mean UVA (315-400nm) Transmission	%	2.10	0.14	-
Mean UVB (290-315nm) Transmission	%	0.07	0.06	-

Remarks :

1. Refer to AS 4399, the UPF classification system is:

Classification	UPF Ratings
Excellent	50, 50+

2. The results given apply only to the colour and weight of fabric tested. Unless otherwise stated the fabric is tested dry and relaxed.

3. This UPF Rating is for the fabric and does not address the amount of protection which is afforded by the design of the article. The manipulations involved in garment manufacture such as stretching and sewing may lower the UPF of the material.

4. The protection offered by this fabric may be lessened :

- i) At points where the fabric is in close contact with the skin such as across the shoulders
- ii) If the fabric is stretched
- iii) If the fabric is wet; and
- iv) With time due to effects of normal wear.

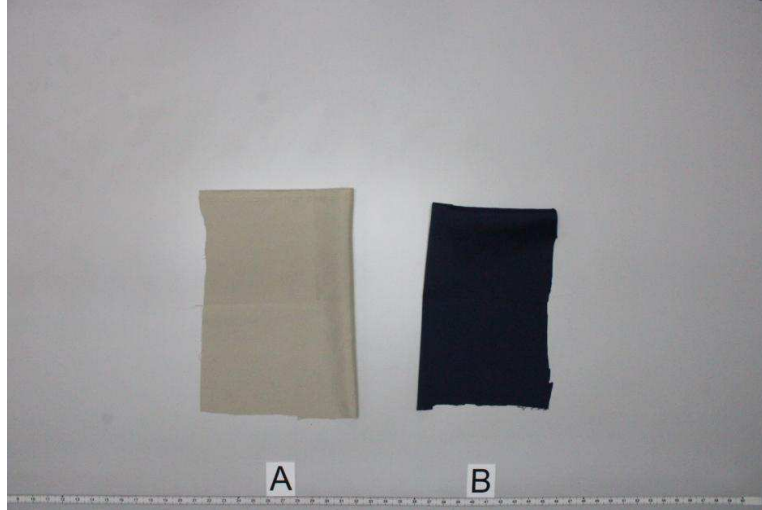
##: This test was carried out by SGS-CSTC Changzhou lab.



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Sample Photo



The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report



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