

Test Report **SL22202313905401TX** **Date:September 22,2022** **Page 1 of 3**
BEIJING EMBFAN TECH.LIMITED
ROOM 609,UNIT2, BUILDING 5, ZHUJIANG MOORE INTERNATIONAL BUILDING, NO.1 BEIQING ROAD,
CHANGPING DISTRICT, BEIJING PRC

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

Sample Description : (A)knitted shorts

Sample Color : (A)blue/white

Composition : (A)100% polyester

Style No. : FABRIC NO.92/98

Manufacturer : Embfan

Supplier : Embfan

Country of Origin : China

Country of Destination : Australia

Sample Receiving Date : Sep 19, 2022

Testing Period : Sep 19, 2022 - Sep 22, 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

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

York Yao

York Yao (Account Executive)



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Test Result

Colour Fastness To Sea Water

(AS 2001.4.E02-2001)

	Unit	A-body	Requirement
Change in Shade	Grade	4-5	-
Staining On Multi-fibre Stripe			-
Acetate	Grade	4-5	-
Cotton	Grade	4-5	-
Polyamide	Grade	4-5	-
Polyester	Grade	4-5	-
Acrylic	Grade	4-5	-
Wool	Grade	4-5	-
Cross Staining	Grade	5	-

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

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	Requirement
Mean UPF	-	1832	-
Standard Deviation	-	31.5	-
Standard Error	-	39.1	-
UPF Rating	-	50+	-
Protection Classification	-	Excellent	-
Mean UVA (315-400nm) Transmission	%	0.12	-
Mean UVB (290-315nm) Transmission	%	0.05	-

Remarks :

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

Classification	UPF Ratings
Minimum	15
Good	30
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.



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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.

Sample Photo



End of Report



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