

TSINGDAO HOTSCH CAPS CO., LTD  
UNIT A-2106 NO.10 HONGKONG MIDDLE ROAD, QINGDAO, CHINA

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

Sample Description : (A)100% COTTON TWILL S FABRIC  
(B)100% MICRO FIBRE POLYESTER FABRIC  
Sample Color : (A)NAVY;(B)NAVY  
Country of Origin : CN  
Country of Destination : Europe  
Sample Receiving Date : Sep 24, 2024  
Testing Period : Sep 24, 2024 - Sep 27, 2024  
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 Light**

(ISO 105-B02:2014; Method 2 (Modified), use Xenon arc lamp, Exposure Cycle: A1, no flip-flop mode was used)

Comparison up to blue wool reference 4

	Unit	A	B	Requirement
-				
Grade(B.W.S)	-	4	4	-

**Colour Fastness To Perspiration**

(ISO 105-E04:2013; Test specimen in vertical position)

Acid

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

Alkaline

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

**Colour Fastness To Rubbing**

(ISO 105-X12:2016; Size of rubbing finger: 16mm dia.)

As Received

	Unit	A	B	Requirement
-				
Dry Staining	Grade	3-4	4-5	-
Wet Staining	Grade	3-4	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.



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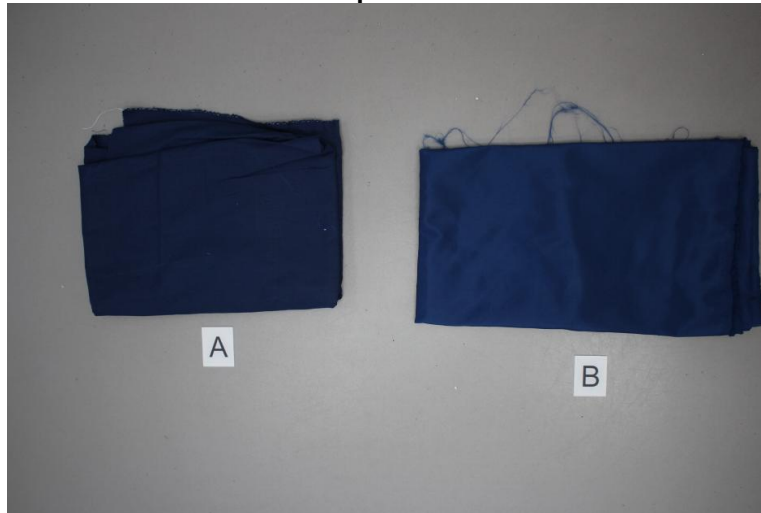
**Colour Fastness To Water**

(ISO 105-E01:2013; Test specimen in vertical position)

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

**Sample Photo**



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

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