



Fabric name	Cosmo-200
Fabric weight	200 ± 5 gsm
Composition	67% polyester, 27% viscose, 6% spandex
Full width	150 ± 2 cm
Weave	twill 2/1
Finishes	-
Area of use	Beauty and Health industry
Washing instruction	

Physical properties*

			warp	weft
1	Tensile strength, N	ISO 13934-1:2013	1000	970
2	Tearing strength, N	ISO 13937-3:2000	41	57
3	Dimensional Stability To Washing, max.	ISO 6330:2000	3.0%	3.0%
4	Abrasion Resistance	ISO 12947-2:2002	> 80 000	
5	Pilling Resistance (after 1000 rev.)	ISO 12945-2:2000	4	
6	Colour Fastness To Washing (cotton+polyester) 60°C, min.	ISO 105-C06:2010		
	Colour change	ISO 105-C06:2010	5	
	Colour staining	ISO 105-C06:2010	4-5	
7	Colour Fastness To Perspiration, min.	ISO 105-E04:2013		
	Colour change		4-5	
	Colour staining		4-5	
8	Colour Fastness To Rubbing, min.	ISO 105-X12:2001		
	Dry		4-5	
	Wet		4	
9	Colour Fastness To Light	ISO 105-B02:2013	> 6	

* The values shown are indicative and may vary slightly from batch to batch.

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Test Report

SL52405275006101TX

Date: March 26, 2024 Page 1 of 4

SHANGHAI XM GROUP LTD

ROOM 2403, ZHONGYI INTERNATIONAL BUILDING, NO.1833, ZHONGSHAN NORTH ROAD, SHANGHAI

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

Sample Description : (A)Woven fabric (COSMO -200 67% poly/27% visc, 6% sp 32S+40D*150D+40D TWILL 2/1 Color: Ash Pink #22-21 Order XM-24-030-WWP)

Sample Color : (A)Ash Pink #22-21

Proposed Care Instruction :



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

Sample Receiving Date : Mar 20, 2024

Testing Period : Mar 20, 2024 - Mar 26, 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).

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd

Sara Guo (Account Executive)



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Softline Laboratory

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Test Result

Dimensional Stability To Washing

(ISO 3759:2011/ISO 5077:2007/ISO 6330:2021; Using horizontal axis, front-loading type machine; Procedure No.4N, Machine Wash At 40°C; with 2.0±0.2kg total dry mass (Type III (100% Polyester) Ballast+ Specimen) and 20±1 g ECE reference detergent 98 without optical brightener, Tumble Dry Low, Not Exceeding 60°C, Warm Iron.)

After 5 Washes

	Unit	A
-		
Lengthwise	%	-1.3
Widthwise	%	-0.4

Remark: (+)Means Growth; (-)Means Shrinkage

Colour Fastness To Washing

(ISO 105-C06:2010; Test No.: A2S, Machine wash at 40°C with 4g/L ECE (B) and 1g/L Sodium Perborate with 10 Steel Balls)

	Unit	A
-		
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

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
-		
Dry Staining	Grade	4-5
Wet Staining	Grade	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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Pilling Resistance

(ISO 12945-2:2000; Martindale Abrasion & Pilling Tester, Total load applied 415g)

As Received

After 125 Revolutions

-	Unit	A
Pilling Rating	-	4

After 500 Revolutions

-	Unit	A
Pilling Rating	-	4

After 1000 Revolutions

-	Unit	A
Pilling Rating	-	3-4

After 2000 Revolutions

-	Unit	A
Pilling Rating	-	3

After 5000 Revolutions

-	Unit	A
Pilling Rating	-	2-3

After 7000 Revolutions

-	Unit	A
Pilling Rating	-	2

Remarks : Pilling Rating

- 5 No change
- 4 Slight change fuzzing and/or partially formed pills
- 3 Moderate change fuzzing and/or moderate pilling, pills of varying size and density partially covering the specimen surface
- 2 Distinct surface fuzzing and/or distinct pilling, pills of varying size and density covering a large proportion of the specimen surface
- 1 Dense surface fuzzing and/or severe pilling, pills of varying size and density covering the whole of the specimen surface



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Report No.: 244462033a 001
Client: SHANGHAI XM GROUP LTD
Contact Information: Office 2403, 24th Floor, Zhongyi International Commercial Plaza, 1833
Zhongshan North Road, Shanghai, China
Contact Person: Jing wang

Sample Description as Declared:

No. Of Sample : One (1)
Fibre Content : 67% polyester, 27% viscose, 6% spandex
Material : (COSMO-200, 67% polyester, 27% viscose, 6% spandex, Order: XMT-22-216
-HHT-LT)
Order : XMT-22-216-HHT-LT
Colour : Bordo

**Applicant's Provided
Care Instruction/Label:**



Sample obtaining method: Sending by customer
Condition at delivery: Test item complete and undamaged.
Sample Receiving date: 2022-11-14
Testing Period: 2022-11-14 to 2022-11-17
Place of testing: Textiles laboratory Shanghai

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.

2022-11-18

Carmen Yan / Department Manager

Date

Name / Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

Test Report No.: 244462033a 001

Page 2 of 5

Summary of Test Result(s):

Test parameter	Result	Failed Material No.
Dimensional Change To Washing	No Comment	-
Colour Fastness To Rubbing	No Comment	-
Colour Fastness To Washing	No Comment	-

Material List:

Material No.	Material	Color	Location
M001	Textile	Bordo	Woven fabric

Test Report No.: 244462033a 001

Page 3 of 5

1. Dimensional Change To Washing

Test method : ISO 3759:2011 / ISO 6330:2021 / ISO 5077:2007

Apparatus : Front-loading horizontal rotating drum type

Test condition : Washing programme 4N, at 40°C, with 20g Non-phosphate detergent 3, 2kg loading, tumble dry - delicate

M001RequirementAfter five washes

-

Warp -1.5%

Weft -0.3%

Remark : (+) = Extension
(-) = Shrinkage**2. Colour Fastness To Rubbing**

Test method : ISO 105-X12:2016

M001RequirementDry

-

- Length 4

- Width 4

Wet

-

- Length 2-3

- Width 2-3

Test Report No.: 244462033a 001

Page 4 of 5

3.Colour Fastness To Washing

Test method : ISO 105-C06:2010

Test condition : A2S, 30 min mechanical wash at 40°C in 0.4% ECE reference detergent with phosphates and 0.1% sodium perborate with 10 steel balls

	<u>M001</u>	<u>Requirement</u>
Colour change	4	-
Colour staining		-
- Acetate	3-4	
- Cotton	4-5	
- Polyamide	3-4	
- Polyester	4	
- Acrylic	4-5	
- Wool	4	

Test Report No.: 244462033a 001

Page 5 of 5

Sample Photo



- END -

SHANGHIA XM GROUP LTD

ROOM 2403, ZHONGYI INTERNATIONAL BUILDING, NO.1833, NORTH ZHONGSHAN ROAD, SHANGHAI

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

Sample Description : (A)Woven fabric (COSMO -200 poly/viscose/spandex 32S+40D*150D+40D
TWILL 2/1 Color: Caramel #23-28 Order XM-24-084-WWP)

Sample Color : (A)Caramel #23-28

Retest : No

Proposed Care Instruction :



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

Sample Receiving Date : May 15, 2024

Testing Period : May 15, 2024 - May 20, 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).

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd

Sara Guo

Sara Guo (Account Executive)



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Softline Laboratory

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Test Result

Dimensional Stability To Washing

(ISO 3759:2011/ISO 5077:2007/ISO 6330:2021; Using horizontal axis, front-loading type machine; Procedure No.4N, Machine Wash At 40°C; with 2.0±0.2kg total dry mass (Type III (100% Polyester) Ballast+ Specimen) and 20±1 g ECE reference detergent 98 without optical brightener, Tumble Dry Low, Not Exceeding 60°C, Warm Iron)

After 5 Washes

-	Unit	A
Lengthwise	%	-1.2
Widthwise	%	-0.6

Remark: (+)Means Growth; (-)Means Shrinkage

Colour Fastness To Washing

(ISO 105-C06:2010; Test No.: A2S, Machine wash at 40°C with 4g/L ECE (B) and 1g/L Sodium Perborate with 10 Steel Balls, Not adjusted)

-	Unit	A
Change in Shade	Grade	4-5
Staining On Multi-fibre Stripe		
Acetate	Grade	3-4
Cotton	Grade	4-5
Polyamide	Grade	3-4
Polyester	Grade	4
Acrylic	Grade	4-5
Wool	Grade	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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Pilling Resistance

(ISO 12945-2:2000; Martindale Abrasion & Pilling Tester, Total load applied 415g)

As Received

After 125 Revolutions

-	Unit	A
Pilling Rating	-	4

After 500 Revolutions

-	Unit	A
Pilling Rating	-	4

After 1000 Revolutions

-	Unit	A
Pilling Rating	-	3-4

After 2000 Revolutions

-	Unit	A
Pilling Rating	-	3

After 5000 Revolutions

-	Unit	A
Pilling Rating	-	2-3

After 7000 Revolutions

-	Unit	A
Pilling Rating	-	2-3

Remarks : Pilling Rating

- 5 No change
- 4 Slight change fuzzing and/or partially formed pills
- 3 Moderate change fuzzing and/or moderate pilling, pills of varying size and density partially covering the specimen surface
- 2 Distinct surface fuzzing and/or distinct pilling, pills of varying size and density covering a large proportion of the specimen surface
- 1 Dense surface fuzzing and/or severe pilling, pills of varying size and density covering the whole of the specimen surface



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TEST REPORT

2023EP4679

DATE OF RECEPTION

Date Format: dd/MM/yyyy 11/12/2023

DATE TESTS

Starting: 13/12/2023

Ending: 09/01/2024

APPLICANT

XM TEXTILES POLSKA SP. Z O. O.

16 WOLNOŚCIOWA

PL-95-200 Pabianice

Poland

Att. Irina Danilova

IDENTIFICATION AND DESCRIPTION OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2023EP4679-S01	COSMO-200	Woven fabric

TESTS CARRIED OUT

- PRE-TREATMENT FOR DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING.
- DETERMINATION OF BREAKING STRENGTH AND ELONGATION.
- DETERMINATION OF TEAR RESISTANCE.
- DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING.
- ABRASION RESISTANCE.
- COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING.
- COLOUR FASTNESS TO PERSPIRATION.
- COLOUR FASTNESS TO RUBBING.
- COLOUR FASTNESS TO LIGHT.
- DETERMINATION OF FABRIC PROPENSITY TO SURFACE PILLING, FUZZING OR MATTING.

Tests marked with * are not included within the scope of the ENAC accreditation.



**DESCRIPTION OF SAMPLES**

Reference by AITEX: 2023EP4679-S01

Reference by customer:

COSMO-200

AITEX sample description:

Dark navy woven fabric.

Information supplied by the customer

Fabric ref. COSMO-200

Weight 200 GSM

Color Dark Navy #22-07

Others (if any) 542

Composition provided by the customer:

67%Polyester/27%Viscose/6%Spandex, Twill 2/1

AITEX Subsamples		Subsample Description
2023EP4679-S01_P1		Woven fabric - AFTER WASH 5 cycles



RESULTS

PRE-TREATMENT FOR DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING

Standard

EN ISO 6330:2021

Test date**Start date**

03/01/2024

End date

04/01/2024

Washing procedure

6N

Washing temperature

60°C

Washing cycles

5

Dryer type

James Heal

Drying procedure

F (type A1 tumble drying)

Drying temperature

70°C

Washing powder

Reference detergent 3

Reference

2023EP4679-S01

Units	Dry mass of the samples(Kg)	Counterweight mass Kg <i>kg</i>	Counterweight type	Equipment
1	0.05	1.95	Type III / <i>Type III</i>	WASCATOR

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP4679-S01	COSMO-200



RESULTS

DETERMINATION OF BREAKING STRENGTH AND ELONGATION

Standard

EN ISO 13934-1:2013

Equipment

INSTRON Dynamometer

Conditioned date

Start date	13/12/2023	End date	2/1/2024
-------------------	------------	-----------------	----------

Test date

Start date	13/12/2023	End date	02/01/2024
-------------------	------------	-----------------	------------

Gauge length
Pretension
Gauge speed
Warp: 200 mm

Warp: 0.5 N

Warp: 100 mm/min

Weft: 200 mm

Weft: 0.5 N

Weft : 100 mm/min

Atmosphere for conditioning

Temperature	(20 ± 2) °C	Relative Humidity	(65 ± 4) %
--------------------	-------------	--------------------------	------------

Number of test specimens per material to be tested

Tested	5	Rejected	0
---------------	---	-----------------	---

State of the specimens

Conditioned

Reference

2023EP4679-S01

Direction	Maximum force (N)	Medium strength	C.V.	Elongation to the maximum load(%)	Average elongation	C.V.
Warp	1000	1000	1,9	51	51,5	1
	1000			52		
	990			50,5		
	1000			51,5		
	1000			51		
Weft	960	970	1,2	67,5	68	1,7
	970			69,5		
	990			68,5		
	990			68		
	960			67		

Uncertainty

± 5% assay value of the measured

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP4679-S01	COSMO-200



RESULTS

DETERMINATION OF TEAR RESISTANCE

Standard

EN ISO 13937-2:2000

Equipment

INSTRON Dynamometer

Test date**Start date** 13/12/2023 **End date** 02/01/2024**Conditioned date****Start date** 13/12/2023 **End date** 2/1/2024**Atmosphere for conditioning****Temperature** (20 ± 2) °C **Relative Humidity** (65 ± 4) %**Number of test specimens per material to be tested****Tested** 5 **Rejected** 0**Reference**

2023EP4679-S01

Tear	Specimen (N)	Average load	Classification value (N)	C.V.	
Warp	39.5	41	39.5	2,8	
	42.1				
	40.9				
	40.9				
	39.5				
Weft	57.8	57		39.5	10,1
	64.6				
	50.4				
	56.5				
	56.2				

Uncertainty

±3.9% assay value of the measured

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP4679-S01	COSMO-200



RESULTS

DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING

Standard

EN ISO 5077:2008

Preparation, marking and measuring of fabric specimens according to EN ISO 3759:2011**Start date** 13/12/2023 **End date** 04/01/2024**Washing cycles**

5

Uncertainty $\pm 0.4 \%$ **Reference**

2023EP4679-S01_P1

Specimen	Direction	Dimensional change (%)
1	WARP	-3.0
	WEFT	-1.0

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP4679-S01_P1	Woven fabric - AFTER WASH 5 cycles



RESULTS

ABRASION RESISTANCE

Standard

EN ISO 12947-2:2016

Equipment

Martindale Abrasimeter

Test date**Start date** 13/12/2023 **End date** 09/01/2024**Conditioned date****Start date** 13/12/2023 **End date** 9/1/2023**Atmosphere for conditioning****Temperature** (20 ± 2) °C **Relative Humidity** (65 ± 4) %**Abrasive Material**

Rubbing against SM-25 abradant fabric

Test pressure

12 KPa

End point

Two broken threads

Reference

2023EP4679-S01

Specimen	Nº of cycles
1	80000
2	80000
3	80000
Lowest individual result	80000

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP4679-S01	COSMO-200



RESULTS

COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING

Standard

EN ISO 105-C06:2010

Test date**Start date**

03/01/2024

End date

03/01/2024

Equipment

Gyrowash

Test number

C1M

Temperature

(60)°C

Steel balls

50

Washing powder

Standardized ECE soap reference without optical or chemical whitener

Reference

2023EP4679-S01

Change in colour	Staining	
5	Polyester 4	Viscose 4-5

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP4679-S01	COSMO-200



RESULTS

COLOUR FASTNESS TO PERSPIRATION

Standard

EN ISO 105-E04:2013

Equipment

Perspirometer

Test date**Start date**

02/01/2024

End date

02/01/2024

Alkaline solution

Reference	Staining ratio		Change in colour
2023EP4679-S01	Polyester	Viscose	5
	4-5	4-5	

Acid Solution

Reference	Staining ratio		Change in colour
2023EP4679-S01	Polyester	Viscose	5
	4-5	4-5	

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP4679-S01	COSMO-200



RESULTS

COLOUR FASTNESS TO RUBBING

Standard

EN ISO 105-X12:2016

Equipment

Crockmeter

Test date**Start date**

13/12/2023

End date

02/01/2024

Atmosphere for conditioning**Temperature** $(20 \pm 2) ^\circ\text{C}$ **Relative Humidity** $(65 \pm 2) \%$ **Conditioning time**

> 4 H

Pin

Cylindrical

Applied force $(9 \pm 0,2) \text{ N}$

Reference	Direction	Dry staining	Wet Staining
2023EP4679-S01	Warp	4-5	2-3
	Weft	4-5	2-3

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP4679-S01	COSMO-200



RESULTS

COLOUR FASTNESS TO LIGHT

Standard

EN ISO 105-B02:2014

Equipment

Xenotest 440 02423E06

Test date**Start date**

15/12/2023

End date

29/12/2023

Exposure conditions

Normal

Evaluation conditions

Illuminant D65 (Daylight)

Reference

2023EP4679-S01

Light fastness

6

Note

The fastness grade indicated comes up to:

- Depth change: More clear
- Hue change: No notes
- Brightness change: No notes

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP4679-S01	COSMO-200



RESULTS

DETERMINATION OF FABRIC PROPENSITY TO SURFACE PILLING, FUZZING OR MATTING

Standard

EN ISO 12945-2:2020

Apparatus**Conditioning date**

13/12/2023

Test date

02/01/2024

Type of fabric

Woven fabric

Atmosphere for conditioning and testing**Temperature** (20±2) °C**Relative humidity** (65±4) %**N° of specimens** 3**Number of observers** 3**Testing pressure** Woven pressure 415±2 g**Testing conditions** Fabric vs fabric**Reference**

2023EP4679-S01

Pilling degree

Cycles	Specimen 1	Specimen 2	Specimen 3	Average
125	5	5	5	5
500	4-5	4-5	4-5	4-5
1000	4-5	4-5	4-5	4-5
2000	4	4	4	4
5000	3-4	3-4	3-4	3-4
7000	3-4	3-4	3-4	3-4

Fuzzing degree

Cycles	Specimen 1	Specimen 2	Specimen 3	Average
125	4-5	4-5	4-5	4-5
500	4-5	4-5	4-5	4-5
1000	4	4	4	4
2000	4	4	4	4
5000	4	4	4	4
7000	4	4	4	4

Remark

Due to the kind of no felting tissue, value of matting has not been considered.



TABLE 1 - CLASSIFICATION SCHEME PILLING	
CLASS	DESCRIPTION
5	No change
4	Slight surface pilling. Partially formed pills
3	Moderate pillings: Pills of varying size and density partially covering the specimen surface
2	Distinct pilling: Pills of varying size and density covering a large proportion of the specimen
1	Severe pilling: Pills of varying size and density covering the whole of the specimen surface

TABLE 2 - CLASSIFICATION SCHEME FUZZING	
CLASS	DESCRIPTION
5	No change
4	Slight surface fuzzing
3	Moderate surface fuzzing
2	Distinct surface fuzzing
1	Dense surface fuzzing

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP4679-S01	COSMO-200

**MEANING OF COLOUR FASTNESS APPRAISAL EVALUATED WITH GREY SCALE**

VALUE	MEANING
5	VERY GOOD - EXCELLENT
4	GOOD
3	FAIR - MODERATE
2	POOR - BEHAVIOUR
1	VERY POOR



Lucia Martinez
Head of PPE and Ballistics department



Date: 15/01/2024 9:28:35

Digitally Signed by: ISABEL LLOPIS LUMBRERAS -

NIF: 21678551Q

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Report No.: 244462041a 001
Client: SHANGHAI XM GROUP LTD
Contact Information: Office 2403, 24th Floor, Zhongyi International Commercial Plaza, 1833
Zhongshan North Road, Shanghai, China,,Hong Kong
Contact Person: Jing wang

Sample Description as Declared:

No. Of Sample : One (1)
Fibre Content : 67% polyester,27% viscose,6% spandex
Material : (COSMO-200,67% polyester,27% viscose,6% spandex,Order: XMT-22-216
-HHT-LT)
Order : XMT-22-216-HHT-LT
Colour : Black#1

**Applicant's Provided
Care Instruction/Label:**



Sample obtaining method: Sending by customer
Condition at delivery: Test item complete and undamaged.
Sample Receiving date: 2022-11-14
Testing Period: 2022-11-14 to 2022-11-17
Place of testing: Textiles laboratory Shanghai

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.

2022-11-18

Carmen Yan / Department Manager

Date

Name / Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

Test Report No.: 244462041a 001

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Summary of Test Result(s):

Test parameter	Result	Failed Material No.
Dimensional Change To Washing	No Comment	-
Colour Fastness To Rubbing	No Comment	-
Colour Fastness To Washing	No Comment	-

Material List:

Material No.	Material	Color	Location
M001	Textile	Black	Woven fabric

Test Report No.: 244462041a 001

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1. Dimensional Change To Washing

Test method : ISO 3759:2011 / ISO 6330:2021 / ISO 5077:2007

Apparatus : Front-loading horizontal rotating drum type

Test condition : Washing programme 4N, at 40°C, with 20g Non-phosphate detergent 3, 2kg loading, tumble dry - delicate

M001RequirementAfter five washes

Warp -1.5%

-

Weft -0.5%

-

Remark : (+) = Extension
(-) = Shrinkage**2. Colour Fastness To Rubbing**

Test method : ISO 105-X12:2016

M001RequirementDry

-

- Length 4

- Width 4

Wet

-

- Length 3

- Width 3

Test Report No.: 244462041a 001

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3.Colour Fastness To Washing

Test method : ISO 105-C06:2010

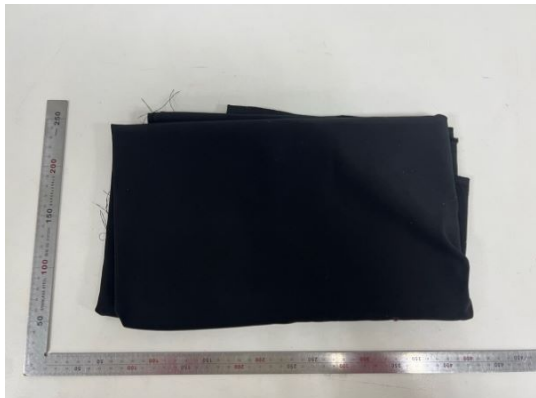
Test condition : A2S, 30 min mechanical wash at 40°C in 0.4% ECE reference detergent with phosphates and 0.1% sodium perborate with 10 steel balls

	<u>M001</u>	<u>Requirement</u>
Colour change	4	-
Colour staining		-
- Acetate	3	
- Cotton	4	
- Polyamide	3	
- Polyester	3-4	
- Acrylic	4-5	
- Wool	3-4	

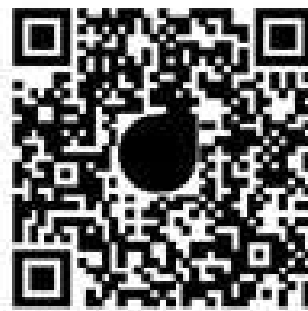
Test Report No.: 244462041a 001

Page 5 of 5

Sample Photo



- END -



**STANDARD
100**

**BEWO 084394
TESTEX**

**This certificate BEWO 084394 is valid until
15.08.2026.**

SUPPORTING DOCUMENTS

- ✓ Test report : BJ015 266840.1
- ✓ Declaration of conformity in accordance with
EN ISO 17050-1 as required by OEKO-TEX®
- ✓ OEKO-TEX® Terms of Use (ToU)

A handwritten signature in blue ink, belonging to Matz Bachmann, is positioned above a horizontal line.

Matz Bachmann
Managing Director

A handwritten signature in blue ink, belonging to Janine Kuchelmeister, is positioned above a horizontal line.

Janine Kuchelmeister
Ecology Team Leader

Zurich, 2025-07-24