


Pixie-155 Stretch

92% POLYESTER / 8% SPANDEX

155 GSM / PLAIN 1/1



Fabric name	Pixie-155
Fabric weight	155 ± 5 gsm
Composition	92% polyester, 8% spandex
Full width	150 ± 2 cm
Weave	Plain 1/1
Finishes	-
Area of use	premium workwear and uniform
Washing instruction	

Physical properties*

			warp	weft
1	Tensile strength, N	ISO 13934-1:2013	810	780
2	Tearing strength, N	ISO 13937-3:2000	37	37
3	Dimensional Stability To Washing, max.	ISO 6330:2000	3.0%	3.0%
4	Abrasion Resistance	ISO 12947-2:2002	> 20 000	
5	Pilling Resistance (after 1000 rev.)	ISO 12945-2:2000	4-5	
6	Colour Fastness To Washing (cotton+polyester) 60°C, min.	ISO 105-C06:2010		
	Colour change	ISO 105-C06:2010	4-5	
	Colour staining	ISO 105-C06:2010	3-4	
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		4-5	
9	Colour Fastness To Light	ISO 105-B02:2013	> 4	

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

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2024EP1218

TEST REPORT

DATE OF RECEPTION

Date Format: dd/MM/yyyy 15/03/2024

DATE OF TESTS

Starting : 15/03/2024

Ending: 02/04/2024

APPLICANT

XM TEXTILES POLSKA SP. Z O. O.

16 WOLNOŚCIOWA

PL-95-200 Pabianice

Poland

Att Irina Danilova

REFERENCE OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2024EP1218-S01	PIXIE-155	Fabric

TESTS CARRIED OUT

- PRE-TREATMENT FOR INDUSTRIAL WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING
- DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING

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





DESCRIPTION OF SAMPLES



Reference by AITEX: 2024EP1218-S01

Reference by customer:

PIXIE-155

Information supplied by the customer

Composition and percentage 92%Polyester/8%Spandex, Plain 1/1

Weight 155 GSM

Color Navy

Others (if any) 562

AITEX Subsamples	Subsample Description
2024EP1218-S01_P1	FABRIC AFTER WASH 5 CYCLES



RESULTS

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

Standard

EN ISO 15797:2018

Washing procedure

Table 4, procedure 2

Washing cycles

5

Washing temperature

60°C

Drying procedure

B (tunnel) - Drying cabin, finishing

Drying temperature

155°C

Washing powder

Detergent without brightener

Reference

2024EP1218-S01

Test date

Start date

25/03/2024

End date

28/03/2024

Dry mass of the samples (Kg)	Counterweight mass (Kg)	Counterweight type	Equipment
0.04	12.45	POLYESTER	INDUSTRIAL WASHING MACHINE 5

Deviation of the standard

Washing temperature 60°C

Reference	Description
2024EP1218-S01	PIXIE-155



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 15/03/2024 **End date** 02/04/2024

Washing cycles

5

Uncertainty

± 0.4 %

Reference

2024EP1218-S01_P1

Specimen	Direction	Dimensional change (%)
1	WARP	-5.0
	WEFT	-1.0

Note

Positive dimensional change indicates lengthening. Negative dimensional change indicates shrinkage

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

Reference	Description
2024EP1218-S01_P1	FABRIC AFTER WASH 5 CYCLES



Lucia Martinez
Head of PPE and Ballistics department

Date: 02/04/2024 11:33:06

Digitally Signed by: LUCIA MARTINEZ MOLTO -

NIF: 21651425F

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TEST REPORT

2023TM0533

DATE OF RECEPTION

Date Format: dd/MM/yyyy 20/10/2023

DATE TESTS

Starting: 25/10/2023

Ending: 09/11/2023

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
2023TM0533-S01	Pixie-155 Navy	Fabric

TESTS CARRIED OUT

- COLOUR FASTNESS TO ARTIFICIAL LIGHT.
- COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING.
- COLOUR FASTNESS TO BLEACHING.
- COLOUR FASTNESS TO RUBBING.
- COLOUR FASTNESS TO PERSPIRATION.
- DETERMINATION OF BREAKING STRENGTH AND ELONGATION.
- BURSTING RESISTANCE.
- DETERMINATION OF FABRIC PROPENSITY TO SURFACE PILLING, FUZZING OR MATTING.
- DETERMINATION OF THE ABRASION RESISTANCE OF FABRICS.
- DETAILED PROCEDURE TO DETERMINE THE BURNING BEHAVIOUR OF FABRIC FOR APPAREL.
- PRE-TREATMENT FOR INDUSTRIAL WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING.
- DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING.

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



**SAMPLE/S DESCRIPTION****Reference ⁽¹⁾**

2023TM0533-S01



RESULTS

COLOUR FASTNESS TO ARTIFICIAL LIGHT

Standard

EN ISO 105-B02:2014. Method 2

Apparatus

Xenotest 440 02423E06

Starting test date

25/10/2023

Ending test date

08/11/2023

Exposure conditions

Normal

Evaluation conditions

Light camera Gretagmacbeth (02021N06)

Reference	Light fastness
2023TM0533-S01	4

Remark

The fastness grade indicated comes up to:

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

**MEANING OF COLOUR VALUES FASTNESS TO ARTIFICIAL LIGHT**

VALUE	MEANING
8	EXCELLENT
7	VERY GOOD
6	GOOD
5	MODERATE
4	FAIR
3	POOR BEHAVIOUR
2	POOR BEHAVIOUR
1	VERY POOR

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

Reference	Description
2023TM0533-S01	Pixie-155 Navy



RESULTS

COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING

Standard

EN ISO 105-C06:2010

Apparatus

Gyrowash

Starting test date

09/11/2023

Ending test date

09/11/2023

Test number

E2S

Temperature

95 °C

Steel balls

25

Detergent

Standardized ECE soap reference without optical or chemical whitener

Test piece drying in forced-air circulation dryer

Reference	Change in colour	Staining	
		Cotton	Polyester
2023TM0533-S01	5	4	4

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

Reference	Description
2023TM0533-S01	Pixie-155 Navy



RESULTS

COLOUR FASTNESS TO BLEACHING

Standard

ISO 105-N01:1993

Starting test date

09/11/2023

Ending test date

09/11/2023

REFERENCE	CHANGE IN COLOUR
2023TM0533-S01	5

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

Reference	Description
2023TM0533-S01	Pixie-155 Navy



RESULTS

COLOUR FASTNESS TO RUBBING

Standard

EN ISO 105-X12:2016

Equipment

Crockmeter

Test date

Start date

26/10/2023

End date

08/11/2023

Atmosphere for conditioning

Temperature

(20 ± 2) °C

Relative Humidity

(65 ± 2) %

Conditioning time

> 4 H

Pin

Cylindrical

Applied force

(9 ± 0,2) N

Reference	Direction	Dry staining	Wet Staining
2023TM0533-S01	Warp	4-5	4-5
	Weft	4-5	4-5

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

Reference	Description
2023TM0533-S01	Pixie-155 Navy



RESULTS

COLOUR FASTNESS TO PERSPIRATION

Standard

EN ISO 105-E04:2013

Apparatus

Perspirometer

Starting test date

08/11/2023

Ending test date

08/11/2023

Apparatus code

Apparatus Code 02022104 (sweat basic)

Apparatus Code 02054104 (sweat acid)

ALKALINE SOLUTION

Reference	2023TM0533-S01	
Change in colour	Staining	
5	Cotton 4	Polyester 4

ACID SOLUTION

Reference	2023TM0533-S01	
Change in colour	Staining	
5	Cotton 4	Polyester 4

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

Reference	Description
2023TM0533-S01	Pixie-155 Navy



RESULTS

DETERMINATION OF BREAKING STRENGTH AND ELONGATION

Standard

EN ISO 13934-1:2013

Apparatus

INSTRON Dynamometer

Conditioning date 26/10/2023**Test date** 30/10/2023**Atmosphere for conditioning testing****Temperature** (20±2) °C**Relative humidity** (65±4) %**Gauge length****Lengthwise** 100 mm**Crosswise** 100 mm**Test velocity****Lengthwise** 100 mm/min**Crosswise** 100 mm/min**Pretension****Lengthwise** 0,5 N**Crosswise** 0,5 N**N° of specimens****Tested** 5 for each direction**Rejected** 0**State of the specimens** Conditioned**Reference**

2023TM0533-S01



Direction	Maximum average load (N)	Average elongation (%)
	851,7	74,1
Lengthwise	850,4	73,8
	873,0	75,3
	872,2	75,1
	857,6	73,7
Average (N)	860	74,5
CV (%)	1,3	1,0

Direction	Maximum average load (N)	Average elongation (%)
	1025,1	61,6
Crosswise	998,9	61,1
	1011,6	61,8
	979,3	61,0
	979,5	60,5
Average (N)	1000	61,0
CV (%)	2,0	0,8

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

Reference	Description
2023TM0533-S01	Pixie-155 Navy



RESULTS

BURSTING RESISTANCE

Standard

EN ISO 13938-1:2019 EN ISO 13938-2:2019

Apparatus

Autoburst SDL-ATLAS

Conditioning date 26/10/2023 Test date 27/10/2023

Atmosphere for conditioning testing

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

Conditions

Test surface

10 cm²- 35.7 mm in diameter

Test duration

(20±5) s.

Number of specimens

Tested 5 Rejected 0

Bursting in the proximity of the clamps

0

Observations

Breakage in a direction

Reference

2023TM0533-S01

Bursting strength (kPa)	Bursting distension (mm)	Average Resistance (kPa)	Median Resistance (kPa)	Lq (The lower quartile value) (kPa)
477,9 475,4 468,2 480,4 483,8	42	477,14	477,9	475,4

Remark

Lq shall be equal to or greater than the performance requirements in Table 1 and 2

The test standard EN ISO 13938-1:2019 hydraulic equipment used and the EN ISO 13938-2: 2019 pneumatic equipment usually reach 800kPa. Both standards specify that there is no significant difference between the two teams to 800kPa.

Due to the requirements of the , the results obtained should be inside the values in the following table , based on the application of the product:

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

Reference	Description
2023TM0533-S01	Pixie-155 Navy



RESULTS

DETERMINATION OF FABRIC PROPENSITY TO SURFACE PILLING, FUZZING OR MATTING

Standard

EN ISO 12945-2:2020

Apparatus
Conditioning date 27/10/2023 **Test date** 08/11/2023

Type of fabric

Knitting fabric

Atmosphere for conditioning and testing

Temperature	(20±2) °C	Relative humidity	(65±4) %
N° of specimens	3	Number of observers	3
Testing pressure	Knitting pressure 155±1 g	Testing conditions	Fabric vs fabric

Reference

2023TM0533-S01_P1

Pilling degree

Cycles	Specimen 1	Specimen 2	Specimen 3	Average
125	5	5	5	5
500	5	5	5	5
1000	5	5	5	5
2000	5	5	5	5

Fuzzing degree

Cycles	Specimen 1	Specimen 2	Specimen 3	Average
125	5	5	5	5
500	5	5	5	5
1000	5	5	5	5
2000	5	5	5	5

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
2023TM0533-S01_P1	after 3 washing cycles / Fabric



RESULTS

DETERMINATION OF THE ABRASION RESISTANCE OF FABRICS

Standard

EN ISO 12947-2:2016

Apparatus

Martindale Abrasion Tester

Conditioning date

27/10/2023

Test date

07/11/2023

Atmosphere for conditioning and testing according accordance EN ISO 139:2005/A1:2011
Temperature (20±2) °C

Relative humidity

(65±4) %

Testing conditions

Rubbing against SM-25 abradant fabric

Technical characteristics of the sample

Not indicated by the client

Testing pressure

9 kPa

Type of fabric

Woven fabric

End point

Two broken threads

Reference

2023TM0533-S01_P1

Specimens	No. of cycles in the inspection interval before the end of the test is reached
1	< 30000
2	< 30000
3	< 30000
Lowest individual result	< 30000

Remark

30000 abrasion cycles are equivalent to 10 hours of testing

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

Reference	Description
2023TM0533-S01_P1	after 3 washing cycles / Fabric



RESULTS

DETAILED PROCEDURE TO DETERMINE THE BURNING BEHAVIOUR OF FABRIC FOR APPAREL

Standard

EN 1103:2005

Reference

2023TM0533-S01

Pre-treatment

Whitout pretreatment

Sample conditioned24 h (minimum) in atmosphere to (23 ± 2) °C and (50 ± 5) % HR

Starting date	Ending date
31/10/2023	02/11/2023

Equipment

Equipment for determination of limited flame spread

Date test

02/11/2023

Ambiental conditions test

20,7°C / 49,2% H.R.

Orientation of the burner

Surface



Orientation of the specimen

Warp and Weft

Test number	Flame application time (s)	Time until break of 1 st thread (s)	Time until break of 3 rd thread (s)	Surface flashing	Filter paper inflammation	Inflammation duration (s)
1	10	27	62	NO	SI YES	164
2	10	17	66	NO	SI YES	93
3	10	14	38	NO	SI YES	84
AVERAGE	10,00	19,33	55,33	NO	SI YES	113,67
1	10	10	10	NO	SI YES	147
2	10	10	10	NO	SI YES	63
3	10	10	10	NO	SI YES	139
AVERAGE	10,00	10,00	10,00	NO	SI YES	116,33

The average flash time 115,00 s

NOTES

During the test observed a moderate emission of grey smoke. At the end of the test, the damaged area is perforated due to the melting of the material and any trace of the test tube that burns the filter paper.

Test uncertainty

± 1.411 s

Standard deviation

Reference	Description
2023TM0533-S01	Pixie-155 Navy



RESULTS

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

Standard

EN ISO 15797:2018

Washing procedure

Table 4, procedure 2

Washing cycles

10

Washing temperature

75°C

Drying procedure

A (tumble drying) - Industrial drying 13010I12

Drying temperature

70°C

Washing powder

Detergent without brightener

Reference

2023TM0533-S01

Test date

Start date 07/11/2023 **End date** 08/11/2023

Dry mass of the samples (Kg)	Counterweight mass (Kg)	Counterweight type	Equipment
0.045	12.4	COTTON / POLYESTER	LAVADORA INDUSTRIAL 1

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

Reference	Description
2023TM0533-S01	Pixie-155 Navy



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 26/10/2023 **End date** 08/11/2023

Washing cycles

5

Uncertainty
 $\pm 0.4 \%$
Reference

2023TM0533-S01_P2

Specimen	Direction	Dimensional change (%)
1	LENGHTWISE	-8.0
	CROSSWISE	-1.0

Note

Positive dimensional change indicates lengthening. Negative dimensional change indicates shrinkage

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

Reference	Description
2023TM0533-S01_P2	after 10 washing cycles / <i>Fabric</i>

**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



Judit Sisternes
Head of Health & Hygiene Products Division



Date: 10/11/2023 9:14:37

Digitally Signed by: JUDIT SISTERNES NAVARRO -

NIF: 48292160A

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SHANGHAI 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: PIXIE-155: (PIXIE-155, 92% polyester, 8% spandex 155GSM, Order: XMT-21-098-SVR) Color: Classic Navy #20-02

Sample Color : (A)Classic Navy #20-02

Proposed Care Instruction :



Sample Receiving Date : Sep 07, 2021

Testing Period : Sep 07, 2021 - Sep 10, 2021

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 Testing Center



Alice Wang (Authorized Signatory)

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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 upto blue wool reference 4

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

Colour Fastness To Perspiration

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

Acid

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

Alkaline

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

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 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.

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	3
Cotton	Grade	4-5
Polyamide	Grade	3
Polyester	Grade	3-4
Acrylic	Grade	4-5
Wool	Grade	4

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

Dimensional Stability To Washing

(ISO 3759:2011/ISO 5077:2007/ISO 6330:2012; Using horizontal axis, front-loading type machine; Procedure No.4N, Machine Wash At 40°C; with 2kg total dry mass (Type III (100% Polyester) Ballast+ Specimen), 'ECE(A)' detergent+ Sodium Perborate+ TAED, Tumble Dry Normal, Less Than 80°C)

After 1 Wash

-	Unit	A
Lengthwise	%	-2.6
Widthwise	%	-0.6

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



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Pilling Resistance

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

As Received

After 125 Revolutions

-	Unit	A
Pilling Rating	-	4-5

After 500 Revolutions

-	Unit	A
Pilling Rating	-	4-5

After 1000 Revolutions

-	Unit	A
Pilling Rating	-	4-5

After 2000 Revolutions

-	Unit	A
Pilling Rating	-	4-5

After 5000 Revolutions

-	Unit	A
Pilling Rating	-	4-5

After 7000 Revolutions

-	Unit	A
Pilling Rating	-	4-5

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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Tearing Strength

(ISO 13937-2:2000;)

-	Unit	A
Warp/Length Yarns Torn	N	13
Weft/Width Yarns Torn	N	37

Tensile Strength

(ISO 13934-1:2013; Strip method)

-	Unit	A
Warp/Length	N	810
Weft/Width	N	780

End of Report



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2024EP0746

TEST REPORT

DATE OF RECEPTION

Date Format: dd/MM/yyyy 14/02/2024

DATE OF TESTS

Starting : 15/02/2024

Ending: 28/02/2024

APPLICANT

XM TEXTILES POLSKA SP. Z O. O.

16 WOLNOŚCIOWA

PL-95-200 Pabianice

Poland

Att Irina Danilova

REFERENCE OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2024EP0746-S01	PIXIE-155	Fabric

TESTS CARRIED OUT

- DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING
- PRE-TREATMENT FOR DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING

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





DESCRIPTION OF SAMPLES



Reference by AITEX: 2024EP0746-S01

Reference by customer:

PIXIE-155

Information supplied by the customer

Composition and percentage 92%Polyester/8%Spandex, Plain 1/1

Weight 155 GSM

Color Navy

Others (if any) 562

AITEX Subsamples	Subsample Description
2024EP0746-S01_P1	FABRIC AFTER WASH 5 CYCLES



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** 20/02/2024 **End date** 28/02/2024**Washing cycles**

5

Uncertainty

± 0.4 %

Reference

2024EP0746-S01_P1

Specimen	Direction	Dimensional change (%)
1	LENGHTWISE	-2.0
	CROSSWISE	0

Note

Positive dimensional change indicates lengthening. Negative dimensional change indicates shrinkage

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

Reference	Description
2024EP0746-S01_P1	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	15/02/2024	End date	16/02/2024
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Washing procedure

6N

Washing temperature

60°C

Washing cycles

5

Dryer type

James Heal

Drying procedure

D (without spinning)

Washing powder

Reference detergent 3

Reference

2024EP0746-S01

Units	Dry mass of the samples(Kg)	Counterweight mass(Kg)	Counterweight type	Equipment
1	0.09	1.9	Type III	WASCATOR

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

Reference	Description
2024EP0746-S01	PIXIE-155



Lucia Martinez
Head of PPE and Ballistics department



Date: 29/02/2024 13:09:30

Digitally Signed by: ISABEL LLOPIS LUMBRERAS -

NIF: 21678551Q

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**STANDARD
100**

**BEWO 084394
TESTEX**

**This certificate BEWO 084394 is valid until
15.08.2025.**

SUPPORTING DOCUMENTS

- ✓ Test report : BJ015 245163.1
- ✓ 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, appearing to read "M. Bachmann", positioned above a horizontal line.

**Matz Bachmann
Managing Director**

A handwritten signature in blue ink, appearing to read "D. Ajdinovic", positioned above a horizontal line.

**Dijana Ajdinovic
Ecology Team Leader**