

Łukasiewicz Research Network – Textile Research Institute, 92-103 Lodz, 5/15 Brzezinska Str., phone 48 42 6163142, fax 48 42 6792638 90-520 Lodz, 118 Gdanska Str., phone 48 42 2534419, fax 48 42 2534490

e-mail: beata.witkowska@iw.lukasiewicz.gov.pl ,

jerzy.andrysiak@iw.lukasiewicz.gov.pl





AB 164

### Testing Laboratory accredited by the Polish Centre for Accreditation

#### TEST REPORT NO. BM 608.1 / 2021 / B / A

- 1. Test ordered by: X, TOPTEXTIL" Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material: the sample: X the upholstery product DREAM VELVET, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing: 2021-11-08
- 4. Date of test performance:  $2021-11-15 \div 29$
- 5. Samples taken by: X correct sample size in appropriate state for testing, taken by the Client and delivered without the Sampling Protocol
- 6. Tests carried out according to: methods presenting in testing table

### **Results of Laboratory Tests**

see page 2/2

Test performed by: Małgorzata Frołow

- 1. Test results refer only to the tested material.
- 2. Neither of the parts of this Test Report can be copied without written permission of the Head of the Laboratory; it can be copied only as a whole document.
- 3. Test Report presents test results included within accreditation field of testing.
- 4. Test results not included in accreditation scope, if occur, are marked with\* in the test results table, at the parameter name.
- 5. Test Report consists of test results carried out in location 90-520 Łódź, ul. Gdańska 118 (G) / 92-103 Łódź, ul. Brzezińska 5/15 (B).
- 6. Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document EA-4/16. Presented values of uncertainty constitute expanded uncertainty at 95% confidence level and coverage factor k=2.
- 7. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test result with requirements specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance limit given in specification. The conformity statemen's rules given by Client could be allowed.

Test Report date: 2021-11-30 Number of Test Report 's copies: 2

Test Report handed to:

1) "TOPTEXTIL" Sp. z o.o., Wadowice - 1 copy,

2) Laboratory of Testing Raw Materials, Textiles and Electrostatic Properties (location: 5/15 Brzezińska str.) - 1 copy.

Test Report prepared by:

Patrycja Bąk

Person authorizing the Test Report:

Laboratorium Badań Surowców, Wyrobów Włókienniczych i Własności Elektrostacycznych GŁÓWNY SPECJALISTA Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

# TEST REPORT NO. BM 608.1 / 2021 / B / A

Parameter	Value	Remarks
color change after 3 000 rubs, grade of grey scale	4	PN-EN ISO 12947-2:2017-02 + PN-EN 14465:2005+A1:2007, Annex A
1 specimen	30 000	sample conditioned according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C,
2 specimen	30 000	RH: 65% ± 4%, the abradant: the standard woolen fabric, the nominal pressure used in the test: 12 kPa,
3 specimen	30 000	magnification factor in the magnifying device: 8.
4 specimen	30 000	Criterion of <u>destruction of the testing</u> specimens in accordance with that standard:
Total abrasion resistance (the lowest individual result)	30 000	the knitted pile fabric – pile spots of 5 mm <sup>2</sup> are fully worn of without any damage to the rows/columns in knitted fabric.
	color change after 3 000 rubs, grade of grey scale 1 specimen 2 specimen 3 specimen Total abrasion resistance	color change after 3 000 rubs, grade of grey scale         4           1 specimen         30 000           2 specimen         30 000           3 specimen         30 000           4 specimen         30 000           Total abrasion resistance         30 000

Evaluation: according to PN-EN 14465:2005 + A1:2007: A category: number of rubs  $\geq$  45 000 rubs, **B category: number of rubs: 25 000**  $\div$  40 000, C category: number of rubs: 10 000  $\div$  20 000

### Person authorizing the Test Report

Laboratorium Badań Surpwetów, Wyrobów Włókienniczych i Własności Elektrostatycznych GŁÓWNY SPECJALISTA Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

The end of Test Report	



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e-mail: beata.witkowska@iw.lukasiewicz.gov.pl,

jerzy.andrysiak@iw.lukasiewicz.gov.pl

#### TEST REPORT NO. BM 608.2 / 2021 / B

- 1. Test ordered by: X, TOPTEXTIL" Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material: X the sample: the upholstery product DREAJM VELVET, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing: 2021-11-08
- 4. Date of test performance: 2021-11-22
- **5.** Samples taken by: X correct sample size in appropriate state for testing, taken by the Client and delivered without the Sampling Protocol
- 6. Tests carried out according to: methods presenting in testing table

# **Results of Laboratory Tests**

see page 2/2

Test performed by: Małgorzata Frołow

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- 4. Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document EA-4/16. Presented values of uncertainty constitute expanded uncertainty at 95% confidence level and coverage factor k = 2.
- 5. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test with requirements/specification takes place, when the test results together with expanded uncertainty does not exceed the tole ance limit given in specification. The conformity statement's rules given by Client could be allowed.

Test Report date: 2021-11-30 Number of Test Report 's copies: 2

Test Report handed to:

- 1) "TOPTEXTIL" Sp. z o.o., Wadowice 1 copy,
- 2) Laboratory of Testing Raw Materials, Textiles and Electrostatic Properties (location: 5/15 Brzezińska str.) -

Person authorizing the Test Report

Laboratorium Badan Syrowedw, Wyrobów Włókienniczych i Wiasności Elektrostatycznych GŁÓWNY SPECJALISTA Z-CA KIEROWNIKA

mgr jnż/ Jerzy Andrysiak

Test Report prepared by:

Patrycja Bak

Form 7.8.2 issue 5 X-information delivered by Client Page 1 of 2

# TEST REPORT NO. BM 608.2 / 2021 / B

Parameter	Value	Remarks
Seam slippage resistance, mm:		PN-EN ISO 13936-2:2005
Longitudinal direction		sample conditioned according to PN-EN
The mean value of resistance to perforation	2 ± 0	ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C. RH: 65% ± 4%.
in the seam for longitudinal direction, mm		tensile tester: Hounsfield H50 KM,
- individual results, mm	2,0; 1,5; 1,5; 1,5	testing force: 180 N,
		100% PES sewing threads $(74 \pm 5)$ tex,
Cross direction		the number of sewing needle: 110, the number of stitch: 32±2/100 mm,
The mean value of resistance to perforation	2 ± 0	rate of extension: 50 mm/min.
in the seam for cross direction, mm	2-0	number of test specimens: 5
- individual results, mm	2,0; 1,5; 2,0; 1,5; 1,5	
Evaluation according to PN-EN 14465:2005 + A	1:2007:	

requirements level: A category: ≤ 4 mm; B category: ≤ 6 mm; C category: ≤ 8 m

# Person authorizing the Test Report

Laboratorium Badań Syroweów, Wyrobów Włókienniczych i Właszyści Elektrostatycznych GŁÓWNY SPECJALISTA Z-CA KIEROWNIKA

mgr inż. Jerry Andrysiak

----The end of Test Report----



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jerzy.andrysiak@iw.lukasiewicz.gov.pl





**AB 164** 

### Testing Laboratory accredited by the Polish Centre for Accreditation

#### TEST REPORT NO. BM 608.3 / 2021 / B / A

- 1. Test ordered by: X ,,TOPTEXTIL" Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material: the sample: X the upholstery product DREAM **VELVET**, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing: 2021-11-08
- 4. Date of test performance: 2021-11-17
- 5. Samples taken by: X correct sample size in appropriate state for testing, taken by the Client and delivered without the Sampling Protocol
- 6. Tests carried out according to: methods presenting in testing table

### **Results of Laboratory Tests**

see page 2/2

## Test performed by: Małgorzata Frołow

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- 92-103 Łódź, ul. Brzezińska 5/15 (B). 6. Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document EA-4/16. Presented values of uncertainty constitute expanded uncertainty at 95% confidence level and coverage factor k = 2.
- 7. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test result with requirements specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance limit given in specification. The conformity statemen's rules given by Client could be allowed. Instytut W LABORATORIUM WYROBÓW

Test Report date: 2021-11-30 Number of Test Report 's copies: 2

Test Report handed to:

- 1) "TOPTEXTIL" Sp. z o.o., Wadowice 1 copy,
- 2) Laboratory of Testing Raw Materials, Textiles and Electrostatic Properties (location: 5/15 Brzezińska str.) 1 copy

Test Report prepared by:

Patrycja Bak

Person authorizing the Test Report:

Laboratorium Badań/Surowców, Wyrobów Włókienniczych i Własności Elektrostatycznych GŁÓWNY SPECJALISTA

Z-CA KIRROWNIKA

Jerzy Andrysiak

### TEST REPORT NO. BM 608.3 / 2021 / B / A

Parameter		Value	Remarks
Propensity to surface fuzzing	the number of rubs 500	5	PN-EN ISO 12945-2:2002 (modified Martindale method) sample conditioned according to PN-EN ISO
and pilling, grade	1 000	5	139:2006 + A1:2012, temp. 20° C ± 2 °C, RH: 65% ± 4%, number of test specimens: 3,
	2 000	5 no change	number of evaluators: 3, the abradant: the standard woolen fabric; mass of weight: $(415 \pm 2)$ g.
	5 000	4 – 5	

Evaluation according to PN-EN 14465:2005+A1:2007: A category: grade  $\geq 4-5$ ; B category: grade 4; C category: grade 3 - 4; D category: grade 3

# Person authorizing the Test Report

Laboratorium Badań Surowców, Wyrobow Włókienniczych i Właspości Elektrostatycznych GŁÓWNY SIPECJALISTA Z-CA KIEROWNIKA mgr inż. Jerzy Andrysiak

\_\_\_\_ The end of Test Report \_\_\_\_\_



The Łukasiewicz Research Network – Textile Research Institute, 92-103 Lodz, 5/15 Brzezinska Str., phone 48 42 6163142, fax 48 42 6792638 90-520 Lodz, 118 Gdanska Str., phone 48 42 2534419, fax 48 42 2534490

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jerzy.andrysiak@iw.lukasiewicz.gov.pl

#### TEST REPORT NO. BM 608.4 / 2021 / B

1. Test ordered by: X ,,TOPTEXTIL" Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice

2. Name and description of tested material: The sample: the upholstery product DREAM VELVET, declared raw material composition: 100% Polyester.

3. Date of receiving material for testing: 2021-11-08

4. Date of test performance: 2021-11-26

**5.** Samples taken by: X correct sample size in appropriate state for testing, taken by the Client and delivered without the Sampling Protocol

6. Tests carried out according to: methods presenting in testing table

**Results of Laboratory Tests** 

see page 2/2

Test performed by: Małgorzata Frołow

1. Test results refer only to the tested material.

- 2. Neither of the parts of this Test Report can be copied without written permission of the Head of the Laboratory; it can be copied only as a whole document.
- 3. Test Report consists of test results carried out in location 90-520 Łódź, ul. Gdańska 118 (G) / 92-103 Łódź, ul. Brzezińska 5/15(B).
- 4. Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document EA-4/16. Presented values of uncertainty constitute expanded uncertainty at 95% confidence level and coverage factor  $\frac{1}{2}$  = 2.
- 5. Laboratory uses the requirements of ILAC-G8:09/2019. The conformity statement of test result with requirements/specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance limit given in specification. The conformity statement's rules given by Client could be allowed.

Test Report date: 2021-11-30

Number of Test Report 's copies: 2

Test Report handed to:

1) "TOPTEXTIL" Sp. z o.o., Wadowice - 1 copy,

2) Laboratory of Testing Raw Materials, Textiles and Electrostatic Properties (location: 5/15 Brzezińska str.) - 1 c

Person authorizing the Test Report

Laboratorium Badań Sułowców, Wyrobów Włókienniczych i Właszycki Elektrostatycznych GŁÓWNY SVECJALISTA Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

Test Report prepared by:

Patrycia Bak

Form 7.8.2 issue 5 X-information delivered by Client Page 1 of 2

# TEST REPORT NO. BM 608.4 / 2021 / B

Parameter	Result	Test method
Resistance to drawing out the threads for longitudinal direction, degree	4	PN-79/P-04664 conditioned sample, sample conditioned according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, RH: 65% ± 4%, device for testing resistance to drawing out the threads: Shirley ICI Mace snag tester, England, number of the template used for sewing: 2,
Resistance to drawing out the threads for cross direction,		number of the roller revolutions: 600, number of tested specimens: 2 for each direction
degree	4	Assessment according to photographic standard: degree 5: very good resistance to drawing out the threads (without puffs), degree 4: good resistance to drawing out the threads, degree 3: sufficient resistance to drawing out the threads, degree 2: insufficient resistance to drawing out the threads, degree 1: very poor resistance to drawing out the threads.

Laboratorin authorizing the West Report Włókienniczych i Własopici Elektrostatycznych GŁÓWNY SPECJALISTA Z-CA KIEROWNIKA

mgr ind. Jerzy Andrysiak

The end of Test Report



# Instytut Włókiennictwa

# **Laboratory of Flammability Testing**

The Łukasiewicz Research Network - Textile Research Institute, 92-103 Lodz, 5/15 Brzezinska Str.

Laboratory: 90-520 Lodz, 118 Gdanska Str., phone 48 42 2534435 (436), fax 48 42 2534490

e-mail: malgorzata.szejna@iw.lukasiewicz.gov.pl



AB 029

### TEST CERTIFICATE ON FLAMMABILITY TESTING OF UPHOLSTERY COMPOSITE

No 366 / BP / 21

Sieć Badawcza Łukasiewicz-

Instytut Włókiennictwa LABORATORIUM BADAŃ

PALNOŚCI WYROBÓW 90-520 Łódź, Gdańska 118

tel. 42 25 34 435, fax 42 25 34 490

#### Test method:

PN-EN 1021-1:2014-12 Furniture. Assessment of the ignitability of upholstered furniture. Part 1: Ignition source smouldering cigarette.

### Orderer\*:

TOPTEXTIL Sp. z o.o. ul. Mickiewicza 29 34-100 Wadowice

# Subject of testing\*:

Upholstery composite:

- upholstery fabric named DREAM VELVET, composition: 100% polyester
- polyurethane foam T-3037 SG, self-extinguish

Testing sample with the correct size, in appropriate state for testing, supplied by the Orderer with its characteristic and without the Sampling Protocol.

### Results of testing:

Standard	Test method	Result
PN-EN 1021-1:2014-12	Ignition source: smouldering cigarette	Neither progressive smouldering ignition nor flaming ignition occurred.

The above test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Tests performed by:

Hu

Katarzyna Maciejewska MSc. Eng.

Sample received on: Test performed on:

08.11.2021 22.11.2021

Test Certificate issued on:

23.11.2021

.2021 .2021 dr inż. Krzy

### NOTES:

- 1. The Testing results refer only to the tested sample.
- 2. Test Certificate consists of 2 pages.
- 3. Test Certificate must not be reproduced in another way, than as a whole without a prior written consent of the Testing Laboratory.
- 4. The Orderer using this Test Certificate is responsible for the conformity between the product and sample submitted for testing. \*Data provided by the Customer.
- 5. \*Data provided by the Customer.

The Testing Laboratory accredited by the Polish Centre for Accreditation (PCA), No AB 029.

Test Certificate authorized by:

Laboratarium Badań Palności Wyrobów STĄRSZY SPECJALISTA

#### **DETAILED TESTING RESULTS**

Climate conditions: temperature  $(23 \pm 2)$  °C; humidity  $(50 \pm 5)$  %; time 24 h

Testing conditions: temperature 19 °C; humidity 41 %

# Preparation of test samples:

the upholstery fabric, exposed to wetting in water and drying procedure, in accordance with Appendix D of the PN-EN 1021-1:2014-12 standard.

# Upholstery composite characteristic:

Upholstery composite:

- upholstery fabric named DREAM VELVET, composition: 100% polyester
- T-3037 polyurethane foam, self-extinguish.

Criteria		Cigarette			Remarks					
		1	2	3	Remarks					
Unsafe escalating combustion		NO	NO	-	Maximum cigarette					
Test assembly consumed		NO	NO	-	smouldering time:					
Smoulders to extremities		NO	NO	-	1.1					
Smouldering criteria Smoulders thro	Smoulders through thickness	NO	NO	-	14 minutes 49 seconds					
Criteria	Smoulders more than 1 hour	NO	NO	-	Maximum upholstery					
In final examination, presence of active smouldering		NO	NO	-				upnois destruc		
Flaming					horiz	ontal [1	mm]	vei	tical [m	m]
criteria	Occurrence of flames	NO	NO	-	length 70	width	depth 5	length 72	width	depth 8

Result of testing: Neither progressive smouldering ignition nor flaming ignition occurred.

END OF THE TEST CERTIFICATE





# Instytut Włókiennictwa Laboratory of Chemical Testing and Instrumental Analysis

The ŁUKASIEWICZ Research Network – Textile Research Institute 92-103 Lodz, 5/15 Brzezinska Str.

phone no. +48 42 61 63 130 (128), fax +48 42 61 63 131 e-mail: <a href="mailto:jerzy.piestrzeniewicz@iw.lukasiewicz.gov.pl">jerzy.piestrzeniewicz@iw.lukasiewicz.gov.pl</a>, agnieszka.lisiak-kucinska@iw.lukasiewicz.gov.pl





AB 077

Łódź, 29th November 2021

Labora Confirmed by Chemicznych

i Analiz Instrumentalnych LIDER ØBSZARU KIERQWNIK

mgr inż. Jerzy Piestrzeniewicz

### L-457/2021

#### TEST CERTIFICATE No BCH 431/893/2021/A/1

1. Name and address of the principal X: ,,TOPTEXTIL" Sp. z o. o.

34-100 Wadowice, ul. Mickiewicza 29

2. Subject of study X): Sample of furniture upholstery fabric DREAM VELVET raw material

composition 100 % polyester

3. Date of receiving sample for testing: 05.11.2021

**4. Date of the tests conducting:** 15.11. – 29.11.2021

**5.** Sampling: sample in a proper size, in a proper condition for research, supplied

by the customer

#### RESULTS OF THE TESTS

Tested feature	Result of the test [degree]	Reference document	Test conditions		
Colour fastness to: - artificial light 1)	a/ 5	PN-EN ISO 105-B02:2014-11 Method 2	- device: Xenotest Alpha + - light conditions: A1 - radiation measurement in the range 300 400 nm - sample rotation was not applied		

<sup>1)</sup> Colour fastness according to "Blue scale", indicator "8" means – no change in colour, indicator "1" means – big change in colour a/ change in colour of the sample

#### Remarks:

- 1. Test results refer only to the tested material.
- 2. Neither of the parts of this test certificate can be copied without written permission of the Head of the Laboratory.
- 3. X) Data provided by the principal/customer.
- 4. Total number of pages of the test certificate: 1.

Authorized by:

Gabriela Pałucka M.Eng.

AND

Number of copies of the test certificate: 3

The test certificate receive:

- Customer - 2 copies

- The ŁUKASIEWICZ Research Network - Textile Research Institute - BCH - 1 copy

- THE END -



# Instytut Włókiennictwa Laboratory of Chemical Testing and Instrumental Analysis

The ŁUKASIEWICZ Research Network – Textile Research Institute 92-103 Lodz, 5/15 Brzezinska Str.

phone no. +48 42 61 63 130 (128), fax +48 42 61 63 131 e-mail: <a href="mailto:jerzy.piestrzeniewicz@iw.lukasiewicz.gov.pl">jerzy.piestrzeniewicz@iw.lukasiewicz.gov.pl</a>, agnieszka.lisiak-kucinska@iw.lukasiewicz.gov.pl





AB 077

Łódź, 29th November 2021

### L-457/2021

# TEST CERTIFICATE No BCH 431/893/2021/A

1. Name and address of the principal X): ,,TOPTEXTIL" Sp. z o. o.

34-100 Wadowice, ul. Mickiewicza 29

2. Subject of study X): Sample of furniture upholstery fabric DREAM VELVET raw material

composition 100 % polyester

3. Date of receiving sample for testing: 05.11.2021

**4.** Date of the tests conducting: 25.11. – 26.11.2021

**5.** Sampling: sample in a proper size, in a proper condition for research, supplied

by the customer

#### RESULTS OF THE TESTS

Tested feature	Result of the test [degree]	Reference document	Test conditions
Colour fastness to:  - dry rubbing 1)  longitudinal direction  cross direction  - wet rubbing 1)	1	PN-EN ISO 105-X12:2016-08	- time of acclimatisation: 4 h - temperature of the test: 19,3 °C - humidity of the test: 42,8 % - rubbing pick: Ø 16 ± 0.1 mm - push: 9 ± 0.2 N
longitudinal direction cross direction			- degree of moisturising of the rubbing fabric: 100 %

<sup>&</sup>lt;sup>1</sup> Colour fastness according to "Grey scale", indicator "5" means – no change in colour of the cotton rubbing fabric, indicator "1" means – big change in colour

#### Remarks:

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- 3. X) Data provided by the principal/customer.
- 4. Total number of pages of the test certificate: 1.

Authorized by:

Gabriela Pałucka M.Eng.

Number of copies of the test certificate: 3

The test certificate receive:

- Customer - 2 copies

- The ŁUKASIEWICZ Research Network - Textile Research Institute - BCH - 1 copy

- THE END -

Laboratorium Badan Chemicznych i Analiz Instrumentalnych LIDER OBSZARU KIEROWNIK

Confirmed by

mgr inż. Jerzy Piestrzeniewicz

a/ the staining of the cotton rubbing fabric