

## Laboratory of Chemical Instrumental Analysis

Łukasiewicz Research Network – Lodz Institute of Technology,  
90-570 Lodz, 19/27 Marii Skłodowskiej-Curie Str., phone 48 42 307-09-01

Laboratory:

92-103 Lodz, 5/15 Brzezinska Str.

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[gabriela.palucka@lit.lukasiewicz.gov.pl](mailto:gabriela.palucka@lit.lukasiewicz.gov.pl)

Łódź, 30<sup>th</sup> October 2024

L-556/2024

### TEST CERTIFICATE No BL-AI 543/1096/2024/A

- Name and address of the principal <sup>x)</sup>:** Toptextil Sp. z o.o.  
ul. Mickiewicza 29, 34-100 Wadowice
- Subject of study <sup>x)</sup>:** sample – furniture upholstery fabric TEQUILA, raw material  
composition: 100 % polyester
- Date of receiving sample for testing:** 26.09.2024
- Date of the test conducting:** 08.10 - 09.10.2024
- Sampling:** sample in a proper size, in a proper condition for tests, supplied by the customer

### RESULTS OF THE TESTS

Tested feature	Result of the test [degree]	Reference document	Test conditions	Level of requirements for categories according to PN-EN 14465:2005 + A1:2007		
				A	B	C
Colour fastness to: - dry rubbing: <sup>1)</sup> warp weft - wet rubbing: <sup>1)</sup> warp weft	a/ 4-5 a/ 4-5 a/ 4-5 a/ 4-5	PN-EN ISO 105- X12:2016- 08	- time of acclimatisation: 4 h - temperature of the test: 21.3 °C - humidity of the test: 51.9 % - rubbing pick: Ø 16 ± 0.1 mm - push: 9 ± 0.2 N - degree of moisturising of the rubbing fabric: 100 %	≥ 4-5 ≥ 3-4	≥ 4 ≥ 3	≥ 3-4 ≥ 2-3

<sup>1)</sup> Colour fastness according to "Grey scale", indicator "5" means – no change in colour in cotton rubbing fabric, indicator "1" means – big change in colour.

a/ staining - the cotton rubbing fabric

Remarks:

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

Test conducted by:  
Marta Łatwińska PhD

Authorized by:

LABORATORIUM CHEMICZNYCH  
ANALIZ INSTRUMENTALNYCH  
Z-CIA KIEROWNIKA

mgr inż. Gabriela Pałucka

Number of copies of the test certificate: 3

The test certificate receive:

- Customer - 2 copies

- The ŁUKASIEWICZ Research Network – Lodz Institute of Technology – BL-AI - 1 copy

- THE END -

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[gabriela.palucka@lit.lukasiewicz.gov.pl](mailto:gabriela.palucka@lit.lukasiewicz.gov.pl)

Łódź, 30<sup>th</sup> October 2024

L-556/2024

### TEST CERTIFICATE No BL-AI 543/1096/2024/A/I

1. **Name and address of the principal <sup>x)</sup>:** Toptextil Sp. z o.o.  
ul. Mickiewicza 29, 34-100 Wadowice
2. **Subject of study <sup>x)</sup>:** sample – furniture upholstery fabric TEQUILA, raw material  
composition: 100 % polyester
3. **Date of receiving sample for testing:** 26.09.2024
4. **Date of the test conducting:** 15.10 - 25.10.2024
5. **Sampling:** sample in a proper size, in a proper condition for tests, supplied by  
the customer

### RESULTS OF THE TESTS

Tested feature	Result of the test [degree]	Reference document	Test conditions	Level of requirements for categories according to PN-EN 14465:2005 + A1:2007		
				A	B	C
Colour fastness to: - artificial light <sup>1)</sup>	a/ 3-4	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	≥ 6	≥ 5	≥ 4

<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. <sup>x)</sup> Data provided by the principal/customer.
4. Total number of pages of the test certificate: 1.

Test conducted by:  
Marta Łatwińska PhD

Authorized by:

LABORATORIUM CHEMICZNYCH  
ANALIZ INSTRUMENTALNYCH  
Z-CA KIEROWNIKA

*mgr inż. Gabriela Pałucka*

Number of copies of the test certificate: 3

The test certificate receive:

- Customer - 2 copies

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- THE END -



**Łukasiewicz**

Lodz Institute of Technology

**Laboratory of Textile Metrology and Electrostatics**

Łukasiewicz Research Network – Lodz Institute of Technology,

90-570 Lodz, 19/27 Marii Skłodowskiej-Curie Str.,

Laboratory: 92-103 Lodz, 5/15 Brzezińska Str., phone 48 42 6163142

Laboratory: 90-520 Lodz, 118 Gdanska Str., phone 48 42 2534419

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AB 164

**TEST REPORT NO. BL-ME 650.1 / 2024 / 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 TEQUILA**, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing:** 2024-09-25
- 4. Date of test performance:** 2024-10-07
- 5. Samples taken by:** X correct sample size in appropriate state for testing, taken by the Client and delivered with/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:** Iwona Rybak

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 ILAC-G17:01/2021. 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 statement's rules given by Client could be allowed.

**Test Report date:** 2024-10-11

**Number of Test Report 's copies:** 2

**Test Report handed to:**

- 1) „TOPTEXTIL” Sp. z o.o., Wadowice - 1 copy,
- 2) Laboratory of Textile Metrology and Electrostatics (location: 5/15 Brzezińska str.) - 1 copy.

**Test Report prepared by:**

Patrycja Bąk

**Person authorizing the Test Report:**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
I ELEKTROSTATYKI  
STARSZY SPECJALISTA ds. BADAWCZYCH  
Z-CIA KIEROWNIKA TECHNICZNEGO

*Patrycja Bąk*  
mgr inż. Patrycja Bąk



Łódzki Instytut Techniczny  
Laboratorium Metrologii  
Włókienniczej i Elektrostatyki  
92-103 Łódź, ul. Brzezińska 5/15  
tel. 42 61 63 142, fax 42 61 63 131

**TEST REPORT NO. BL-ME 650.1 / 2024 / B / A**

Parameter		Value	Test method
The mean of maximum force, N	longitudinal direction	<b>610 ± 10</b>	PN-EN ISO 13934-1:2013-07 climate for conditioning sample and testing according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, R.H. 65% ± 4%, tensile machine: Hounsfield H5KS, rate of extension: 100 mm/min., pretension: 5N, distance between clamps: 200 mm, number of test specimens: 5 in each direction.
	cross direction	<b>620 ± 20</b>	
The mean of elongation at maximum force, %	longitudinal direction	<b>72,0 ± 2,0</b>	
	cross direction	<b>36,0 ± 2,0</b>	

**Evaluation:** according to PN-EN 14465:2005 + A1:2007:

A category: > 600 N, **B category: ≥ 400 N**, C category: ≥ 350 N, D category: ≥ 250 N

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
 I ELEKTROSTATYKI  
 STARSZY SPECJALISTA ds. BADAWCZYCH  
 Z-CIA KIEROWNIKA TECHNICZNEGO

*mgr inż. Patrycja Bąk*

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

**Laboratory of Textile Metrology and Electrostatics**

Łukasiewicz Research Network – Lodz Institute of Technology,  
90-570 Lodz, 19/27 Marii Skłodowskiej-Curie Str.,  
Laboratory: 92-103 Lodz, 5/15 Brzezińska Str., phone 48 42 6163142  
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**TEST REPORT NO. BL-ME 650.2 / 2024 / B / A**

- 1. Test ordered by:** <sup>x</sup> „TOPTEXTIL” Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material:** the sample: <sup>x</sup> **The upholstery product TEQUILA**, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing:** 2024-09-25
- 4. Date of test performance:** 2024-10-07
- 5. Samples taken by:** <sup>x</sup> correct sample size in appropriate state for testing, taken by the Client and delivered with/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:** Iwona Rybak

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 ILAC-G17:01/2021. 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 in specification takes place, when the test results together with expanded uncertainty does not exceed the tolerance in specification. The conformity statement's rules given by Client could be allowed.

**Test Report date:** 2024-10-11

**Number of Test Report 's copies:** 2

**Test Report handed to:**

- 1) „TOPTEXTIL” Sp. z o.o., Wadowice - 1 copy,
- 2) Laboratory of Textile Metrology and Electrostatics (location: 5/15 Brzezińska str.) - 1 copy.

**Test Report prepared by:**

Patrycja Bąk

**Person authorizing the Test Report:**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
I ELEKTROSTATYKI  
STARSZY SPECJALISTA ds. BADAWCZYCH  
Z-CIA KIEROWNIKA TECHNICZNEGO

  
mgr inż. Patrycja Bąk

**TEST REPORT NO. BL-ME 650.2 / 2024 / B / A**

Parameter		Value	Test method
Overall value average tear force, N	longitudinal direction	<b>44 ± 3</b>	PN-EN ISO 13937-3:2002 (single tear method) climate for conditioning sample and testing according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, R.H. 65% ± 4%, tensile machine: Zwick 1120, rate of extension: 100 mm/min., distance between clamps: 100 mm, method of calculating average values: electronic; number of test specimens: 5 in each direction.
	cross direction	<b>64 ± 3</b>	

**Evaluation:** according to PN-EN 14465:2005 + A1:2007: **A category: ≥ 40 N**, B category: ≥ 30 N, C category: ≥ 25 N, D category: ≥ 20 N, E category: ≥ 15 N

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
 I ELEKTROSTATYKI  
 STARSZY SPECJALISTA ds. BADAWCZYCH  
 Z-CIA KIEROWNIKA TECHNICZNEGO

  
 mgr inż. Patrycja Bąk

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



**Łukasiewicz**

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**TEST REPORT NO. BL-ME 650.3 / 2024 / B / A**

- 1. Test ordered by:** <sup>x</sup> „TOPTEXTIL” Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material:** the sample: <sup>x</sup> **The upholstery product TEQUILA**, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing:** 2024-09-25
- 4. Date of test performance:** 2024-10-09÷10
- 5. Samples taken by:** <sup>x</sup> correct sample size in appropriate state for testing, taken by the Client and delivered with/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: Iwona Rybak

1. Test results refer only to the tested material.
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4. Test results not included in accreditation scope, if occur, are marked with\* in the test results table, at the parameter name.
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6. Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document ILAC-G17:01/2021. 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 statement's rules given by Client could be allowed.

**Test Report date:** 2024-10-11

**Number of Test Report 's copies:** 2

**Test Report handed to:**

- 1) „TOPTEXTIL” Sp. z o.o., Wadowice - 1 copy,
- 2) Laboratory of Textile Metrology and Electrostatics (location: 5/15 Brzezińska str.) - 1 copy.

**Test Report prepared by:**

Patrycja Bąk

**Person authorizing the Test Report:**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI  
STARSZY SPECJALISTA ds. BADAWCZYCH  
Z-CIA KIEROWNIKA TECHNICZNEGO

*mgr inż. Patrycja Bąk*

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92-103 Łódź, ul. Brzezińska 5/15  
tel. 42 61 63 142, fax 42 61 63 131

**TEST REPORT NO. BL-ME 650.3 / 2024 / B / A**

Parameter	Value	Remarks
Abrasion resistance, number of rubs	color change after 3 000 rubs, grade of grey scale	PN-EN ISO 12947-2:2017-02 + PN-EN 14465:2005+A1:2007, Annex A  climate for conditioning sample and testing according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, R.H. 65% ± 4%, the abradant: the standard woolen fabric, the nominal pressure used in the test: 12 kPa, magnification factor in the magnifying device: 8. Criterion of <u>destruction of the testing specimens in accordance with that standard:</u> cut pile fabric – pile spots of 5 mm <sup>2</sup> are fully worn off without any damage to the row/column threads.
	4 – 5	
	1 specimen	
	2 specimen	
	3 specimen	
	4 specimen	18 000
	<b>Total abrasion resistance</b> (the lowest individual result)	<b>18 000</b>

**Evaluation:** according to PN-EN 14465:2005 + A1:2007:

**A category:** number of rubs ≥ 45 000 rubs, **B category:** number of rubs: 25 000 ÷ 40 000,

**C category:** number of rubs: 10 000 ÷ 20 000

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
 I ELEKTROSTATYKI  
 STARSZY SPECJALISTA ds. BADAWCZYCH  
 Z-CIA KIEROWNIKA TECHNICZNEGO

  
 mgr inż. *Patrycja Bąk*

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





**Łukasiewicz**

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**Laboratory of Textile Metrology and Electrostatics**

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AB 164

**TEST REPORT NO. BL-ME 650.4 / 2024 / 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 TEQUILA**, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing:** 2024-09-25
- 4. Date of test performance:** 2024-10-08
- 5. Samples taken by:** X correct sample size in appropriate state for testing, taken by the Client and delivered with/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:** Iwona Rybak

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6. Measurement uncertainty, if it is specified, has been determined according to the recommendations presented in document ILAC-G17:01/2021. 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 statement's rules given by Client could be allowed.



**Test Report date:** 2024-10-11

**Number of Test Report 's copies:** 2

**Test Report handed to:**

- 1) „TOPTEXTIL” Sp. z o.o., Wadowice - 1 copy,
- 2) Laboratory of Textile Metrology and Electrostatics (location: 5/15 Brzezińska str.) - 1 copy.

**Test Report prepared by:**

Patrycja Bąk

**Person authorizing the Test Report:**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI  
STARSZY SPECJALISTA ds. BADAWCZYCH  
Z-CA KIEROWNIKA TECHNICZNEGO

*mgr inż. Patrycja Bąk*

Centrum Wzrostu i Rozwoju  
 Łódzki Instytut Techniczny  
 Łukasiewicz  
 Laboratorium Metrologii  
 Włókienniczej i Elektrostatyki  
 92-103 Łódź, ul. Brzezińska 5/15  
 tel. 42 61 63 142, fax 42 61 63 131

**TEST REPORT NO. BL-ME 650.4 / 2024 / B / A**

Parameter	Value	Test method
<b>Propensity to surface fuzzing, pilling or matting, grade</b> - <u>pilling</u>  the number of rubs	125	PN-EN ISO 12945-2:2021-04 PN-EN ISO 12945-4:2021-04 (modified Martindale method)  climate for sample conditioning and testing according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, R.H. 65% ± 4%, the abradant: the standard woolen fabric; number of test specimens: 3, number of evaluators: 3, mass of weight: (415 ± 2) g.
	500	
	1 000	
	2 000	
	5 000	
	<b>7 000</b>	
	<b>5</b> no change	
- <u>fuzzing</u>  the number of rubs	125	
	500	
	1 000	
	2 000	
	5 000	
	<b>7 000</b>	
	<b>5</b> no change	
- <u>matting</u>  the number of rubs	125	
	500	
	1 000	
	2 000	
	5 000	
	<b>7 000</b>	
	<b>4</b> slight surface matting	

**Person authorizing the Test Report**  
 LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
 I ELEKTROSTATYKI  
 STARSZY SPECJALISTA ds. BADAWCZYCH  
 Z-CIA KIEROWNIKA TECHNICZNEGO  
*BL*  
 mgr inż. *Patrycja Bąk*

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



**Łukasiewicz**

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**TEST REPORT NO. BL-ME 650.5 / 2024 / B**

- 1. Test ordered by:**<sup>x</sup> „TOPTEXTIL” Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material:**<sup>x</sup> the sample: **The upholstery product TEQUILA**, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing:** 2024-09-25
- 4. Date of test performance:** 2024-10-04
- 5. Samples taken by:**<sup>x</sup> limited 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:** Iwona Rybak

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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 ILAC-G17:01/2021. 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 results 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:** 2024-10-11

**Number of Test Report 's copies:** 2

**Test Report handed to:**

- 1) „TOPTEXTIL” Sp. z o.o., Wadowice - 1 copy,
- 2) Laboratory of Textile Metrology and Electrostatics (location: 5/15 Brzezińska str.) - 1 copy.

**Test Report prepared by:**

Patrycja Bąk

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
I ELEKTROSTATYKI  
STARSZY SPECJALISTA ds. BADAWCZYCH  
Z-CA KIEROWNIKA TECHNICZNEGO

*BS*  
mgr inż. Patrycja Bąk

Stacja Badawcza Łukasiewicz  
Łódźki Instytut Technologiczny  
Laboratorium Metrologii  
Włókienniczej i Elektrostatyki  
92-103 Łódź, ul. Brzezińska 5/15  
tel. 42 61 63 142, fax 42 61 63 131

**TEST REPORT NO. BL-ME 650.5 / 2024 / B**

Parameter	Value	Remarks
<b>Seam slippage resistance, mm:</b> <u>Longitudinal direction</u> <b>The mean value of resistance to perforation in the seam for longitudinal direction, mm</b> - individual results, mm  <u>Cross direction</u> <b>The mean value of resistance to perforation in the seam for cross direction, mm</b> - individual results, mm	  <b>3 ± 0</b>  3; 3; 3; 3; 3   <b>2 ± 0</b>  2; 2; 2; 2; 2	PN-EN ISO 13936-2:2005 climate for conditioning sample and testing according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, RH: 65% ± 4%, tensile tester: Hounsfield H50KM, testing force: 180 N, 100% PES sewing threads (74 ± 5) tex, the number of sewing needle: 110, the number of stitch: 32±2/100 mm, rate of extension: 50 mm/min. number of test specimens: 5
Evaluation according to PN-EN 14465:2005 + A1:2007: requirements level: <b>A category: ≤ 4 mm;</b> B category: ≤ 6 mm; C category: ≤ 8 mm		

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
 I ELEKTROSTATYKI  
 STARSZY SPECJALISTA ds. BADAWCZYCH  
 Z-CIA KIEROWNIKA TECHNICZNEGO

*mgr inż. Patrycja Bąk*

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



**Łukasiewicz**

Lodz Institute of Technology

**Laboratory of Textile Metrology and Electrostatics**

Łukasiewicz Research Network – Lodz Institute of Technology,

90-570 Lodz, 19/27 Marii Skłodowskiej-Curie Str.,

Laboratory: 92-103 Lodz, 5/15 Brzezińska Str., phone 48 42 6163142

Laboratory: 90-520 Lodz, 118 Gdanska Str., phone 48 42 2534419

e-mail: [beata.witkowska@lit.lukasiewicz.gov.pl](mailto:beata.witkowska@lit.lukasiewicz.gov.pl); [jerzy.andrysiak@lit.lukasiewicz.gov.pl](mailto:jerzy.andrysiak@lit.lukasiewicz.gov.pl)

**TEST REPORT NO. BL-ME 650.6 / 2024 / B**

- 1. Test ordered by:**<sup>x</sup> „TOPTEXTIL” Sp. z o.o., 29 Mickiewicza Street, 34-100 Wadowice
- 2. Name and description of tested material:**<sup>x</sup> the sample: **The upholstery product TEQUILA**, declared raw material composition: 100% Polyester.
- 3. Date of receiving material for testing:** 2024-09-25
- 4. Date of test performance:** 2024-10-08
- 5. Samples taken by:**<sup>x</sup> limited 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:** Iwona Rybak

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 ILAC-G17:01/2021. 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 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:** 2024-10-11

**Number of Test Report 's copies:** 2

**Test Report handed to:**

- 1) „TOPTEXTIL” Sp. z o.o., Wadowice - 1 copy,
- 2) Laboratory of Textile Metrology and Electrostatics (location: 5/15 Brzezińska str.) - 1 copy.

**Test Report prepared by:**

Patrycja Bąk

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
I ELEKTROSTATYKI  
STARSZY SPECJALISTA ds. BADAWCZYCH  
Z-CIA KIEROWNIKA TECHNICZNEGO

*Bąk*  
mgr inż. Patrycja Bąk

**TEST REPORT NO. BL-ME 650.6 / 2024 / B**

<b>Parameter</b>	<b>Value</b>	<b>Remarks</b>
The mean of bursting strength, kPa	<b>640 ± 13</b>	PN-EN ISO 13938-1:2020-05 (hydraulic method) cliamte for conditioning sample and testing according to PN-EN ISO 139:2006 + A1:2012, temp. 20° C ± 2 °C, R.H: 65% ± 4%, burst device: PSI-BURST, test area: 50 cm <sup>2</sup> , time at burst: (20±5) s, number of test specimens: 5.
The mean of height at burst, mm	<b>32 ± 1</b>	

Evaluation according to PN-EN 14465:2005 + A1:2007:  
requirements level: **A category: ≥ 600 kPa**; B category: ≥ 400 kPa; C category: ≥ 200 kPa

**Person authorizing the Test Report**

LABORATORIUM METROLOGII WŁÓKIENNICZEJ  
I ELEKTROSTATYKI  
STARSZY SPECJALISTA ds. BADAWCZYCH  
Z-CIA KIEROWNIKA TECHNICZNEGO

*mgr inż. Patrycja Bąk*

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

### Laboratory of Flammability Testing

Lukasiewicz Research Network – Lodz Institute of Technology,  
90-570 Lodz, 19/27 Marii Skłodowskiej-Curie Str., phone +48 42 307 09 01  
Laboratory: 90-520 Lodz, 118 Gdanska Str., phone +48 42 2534435 (436),  
e-mail: [krzysztof.kostanek@lit.lukasiewicz.gov.pl](mailto:krzysztof.kostanek@lit.lukasiewicz.gov.pl)

## TEST CERTIFICATE No 322 / BL - PW / 24

### 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:

- fabric named TEQUILA; composition: 100% Polyester,
- flame-retardant foam RF 30120

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	<b>Neither progressive smouldering ignition nor flaming ignition occurred.</b>

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:

  
Aleksandra Rajkowska

Test Certificate authorized by

LABORATORIUM  
BADAN PALNOSC I WYROBOW  
KIEROWNIK

dr inż.  Krzysztof Kostanek

Sample received on: 24.09.2024  
Test performed on: 01.10.2024  
Test Certificate issued on: 01.10.2024

### 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.
5. \*Data provided by the Customer.

**DETAILED TESTING RESULTS**

Climate conditions: temperature (23 ± 2) °C; humidity (50 ± 5) %; time 24 h  
 Testing conditions: temperature 20 °C; humidity 40 %

**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:

- fabric named TEQUILA; composition: 100% Polyester,
- flame-retardant foam RF 30120.

Test method according to PN-EN 1021-1:2014-12

Criteria		Cigarette			Remarks					
		1	2	3						
Smouldering criteria	Unsafe escalating combustion	NO	NO	-	Maximum cigarette smouldering time:  14 minutes 54 seconds					
	Test assembly consumed	NO	NO	-						
	Smoulders to extremities	NO	NO	-						
	Smoulders through thickness	NO	NO	-	Maximum upholstery composite destruction:					
	Smoulders more than 1 hour	NO	NO	-						
	In final examination, presence of active smouldering	NO	NO	-						
Flaming criteria	Occurrence of flames	NO	NO	-	horizontal [mm]			vertical [mm]		
					length	width	depth	length	width	depth
					68	14	6	69	12	5

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

END OF THE TEST CERTIFICATE

*[Handwritten signature]*

