CTL® GmbH | Chemisch-Technologisches Laboratorium
Krackser Straße 12 | 33659 Bielefeld | Germany

CTL® GmbH
Chemisch-Technologisches Laboratorium

[CTL®-Nr./no] 414376

[Artikel / *Article*] MARGO furniture upholstery fabric - 100 % Polyester

Artikelpass / *Article profile*

Prüfung *Test*	Prüfmethode *Test specification*	Einheit *Unit*	Prüfergebnis *Test result*	Kategorie *Categorie*
			Kette / *Warp* Schuss / *Weft*	
Scheuerbeständigkeit *Abrasion resistance*	DIN EN ISO 12947-1:2007-04 DIN EN ISO 12947-2:2017-03	Touren *rubs*	Chenilleverlust / *loss of chenille* 18 000 Fadenbruch / *Yarn breakage* 50 000 Änderung der Farbe nach 3000 Touren: *Change of colour after 3 000 rubs:* Note / *Grade* 4-5	**B**

Anmerkungen / *Comments*

Die Prüflinge für die technologisch-physikalischen Prüfungen wurden dem Normklima 20 °C ± 2 °C / 65 % ± 4 % relativer Luftfeuchte angeglichen.
The test pieces for the technological - physical tests were adapted to the standard climate 20 °C ± 2 °C / 65 % ± 4 % relative humidity.

Mit freundlichen Grüßen
Yours sincerely,

CTL® GmbH Bielefeld

i. A. Joanna Klodt
Kundenservice
Customer service

i. V. Elke Wind
Leitung Kundenservice
Head of Customer Service

Alle Dezimalzahlen in diesem Bericht sind gemäß der deutschen Notation mit einem Komma als Dezimaltrennzeichen geschrieben (z. B. 3,50). Dies entspricht der Verwendung eines Dezimalpunkts in anderen Systemen (z. B. 3.50). *All decimal numbers in this report are written with a comma as decimal separator (e.g. 3,50) in accordance with German notation. This corresponds to the use of a decimal point in other systems (e.g. 3.50).*

Legende: Fd. = Faden / *Thread*, RV = Reißverschluss / *Zipper*, BG= Bestimmungsgrenze / *Limit of quantitation*, n.n.= nicht nachweisbar / *n.d. = not detectable*

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AB 077

Łódź, 9th December 2025

L-621/2025

TEST CERTIFICATE No BL-AI 611/1199/2025/A/I

1. **Name and address of the principal X):** **Toptextil Sp. z o.o.**
   ul. Karola Wojtyły 13, 34 – 100 Jaroszowice
2. **Subject of study X):** sample – furniture upholstery fabric MARGO, raw material composition 100 % Polyester
3. **Date of receiving sample for testing:** 19.11.2025
4. **Date of the test conducting:** 26.11. – 08.12.2025
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* 1)	a/ 5	PN-EN ISO 105-B02:2014-11 Method 2	- device: Xenon Test Chamber Q-SUN - light conditions: A1 - radiation measurement in the range 300-400 nm - sample rotation was not applied	≥ 6	≥ 5	≥ 4

1) 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.

Test conducted by:
Gabriela Pałucka, MSc Eng.

Authorized by:
Marta Łatwińska PhD

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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e-mail: *beata.witkowska@lit.lukasiewicz.gov.pl; jerzy.andrysiak@lit.lukasiewicz.gov.pl*

AB 164

TEST REPORT NO. BL-ME 830.1 / 2025 / B / A

1. **Test ordered by:** x „TOPTEXTIL" Sp. z o.o., 13 Karola Wojtyły Street, 34-100 Jaroszowice
2. **Name and description of tested material**: the sample: x **The upholstery product MARGO,** declared raw material composition: 100% Polyester.
3. **Date of receiving material for testing:** 2025-11-19
4. **Date of test performance:** 2025-11-26
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: Elżbieta Olczak

1. Test results refer only to the tested material.
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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 statemen's rules given by Client could be allowed.

Test Report date: 2025-12-02
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.

Person authorizing the Test Report:

LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI
Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

TEST REPORT NO. BL-ME 830.1 / 2025 / B / A

Parameter		Value	Test method
The mean of maximum force, N	longitudinal direction	**670 ± 40**	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	**700 ± 10**	
The mean of elongation at maximum force, %	longitudinal direction	**29,0 ± 1,5**	
	cross direction	**18,0 ± 1,0**	
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			

Test Report prepared by:
Patrycja Bąk

Person authorizing the Test Report

LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI
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mgr inż. Jerzy Andrysiak

The end of Test Report

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AB 164

TEST REPORT NO. BL-ME 830.2 / 2025 / B / A

1. **Test ordered by:** x „TOPTEXTIL" Sp. z o.o., 13 Karola Wojtyły Street, 34-100 Jaroszowice
2. **Name and description of tested material**: the sample: x **The upholstery product MARGO,** declared raw material composition: 100% Polyester.
3. **Date of receiving material for testing:** 2025-11-19
4. **Date of test performance:** 2025-11-26
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: Elżbieta Olczak

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.
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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 statemen's rules given by Client could be allowed.

Test Report date: 2025-12-02
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.

Person authorizing the Test Report:

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mgr inż. Jerzy Andrysiak

TEST REPORT NO. BL-ME 830.2 / 2025 / B / A

Parameter		Value	Test method
Overall value avarage tear force, N	longitudinal direction	**90 ± 6**	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	**75 ± 5**	
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			

Test Report prepared by:
Patrycja Bąk

Person authorizing the Test Report
LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI
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The end of Test Report

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TEST REPORT NO. BL-ME 830.3 / 2025 / B / A

1. **Test ordered by:** X „TOPTEXTIL" Sp. z o.o., 13 Karola Wojtyły Street, 34-100 Jaroszowice
2. **Name and description of tested material**: the sample: X **The upholstery product MARGO,** declared raw material composition: 100% Polyester.
3. **Date of receiving material for testing:** 2025-11-19
4. **Date of test performance:** 2025-11-24
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: Elżbieta Olczak

1. Test results refer only to the tested material.
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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 statemen's rules given by Client could be allowed.

Test Report date: 2025-12-02
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.

Person authorizing the Test Report:

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Parameter		Value	Test method
Propensity to surface fuzzing, pilling or matting, grade			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.
- pilling	the number of rubs		
	125	5	
	500	5	
	1 000	5	
	2 000	5	
	5 000	5	
	7 000	**5** **no change**	
- fuzzing	the number of rubs		
	125	5	
	500	5	
	1 000	5	
	2 000	5	
	5 000	5	
	7 000	**5** **no change**	
- matting	the number of rubs		
	125	5	
	500	5	
	1 000	5	
	2 000	5	
	5 000	4 – 5	
	7 000	**4 – 5** **slight surface matting**	

Test Report prepared by:
Patrycja Bąk

Person authorizing the Test Report
LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI
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mgr inż. Jerzy Andrysiak

The end of Test Report

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TEST REPORT NO. BL-ME 830.4 / 2025 / B / A

1. **Test ordered by:** X „TOPTEXTIL" Sp. z o.o., 13 Karola Wojtyły Street, 34-100 Jaroszowice
2. **Name and description of tested material**: the sample: X **The upholstery product MARGO,** declared raw material composition: 100% Polyester.
3. **Date of receiving material for testing:** 2025-11-19
4. **Date of test performance:** 2025-11-24÷26
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: Elżbieta Olczak

1. *Test results refer only to the tested material.*
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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 statemen's rules given by Client could be allowed.*

Test Report date: 2025-12-02
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.

Person authorizing the Test Report:

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Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

TEST REPORT NO. BL-ME 830.4 / 2025 / B / A

Parameter		Value	Remarks
Abrasion resistance, number of rubs	color change after 3 000 rubs, grade of grey scale	4 – 5	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 destruction of the testing specimens in accordance with that standard: shenille fabric – three threads are completely broken or when chenille pile is fully worn off (whatever comes first).
	1 specimen	18 000	
	2 specimen	18 000	
	3 specimen	18 000	
	4 specimen	18 000	
	Total abrasion resistance (the lowest individual result)	**18 000**	
Evaluation: according to PN-EN 14465:2005 + A1:2007: A category: number of rubs ≥ 35 000 rubs, **B category: number of rubs: 12 000 ÷ 30 000,** C category: number of rubs: 4 000 ÷ 10 000			

Test Report prepared by:
Patrycja Bąk

Person authorizing the Test Report

LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI
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The end of Test Report

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Laboratory: 90-520 Lodz, 118 Gdanska Str., phone 48 42 2534419
e-mail: *beata.witkowska@lit.lukasiewicz.gov.pl; jerzy.andrysiak@lit.lukasiewicz.gov.pl*

TEST REPORT NO. BL-ME 830.5 / 2025 / B

1. **Test ordered by:**[X] „TOPTEXTIL" Sp. z o.o., 13 Karola Wojtyły Street, 34-100 Jaroszowice
2. **Name and description of tested material:**[X] the sample: **The upholstery product MARGO,** declared raw material composition: 100% polyester.
3. **Date of receiving material for testing:** 2025-11-19
4. **Date of test performance:** 2025-12-01
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: Elżbieta Olczak

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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 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: 2025-12-02
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.

Person authorizing the Test Report

LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI
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mgr inż. Jerzy Andrysiak

TEST REPORT NO. BL-ME 830.5 / 2025 / B

Parameter	Value	Remarks
Seam slippage resistance, mm: Longitudinal direction **The mean value of resistance to perforation in the seam for longitudinal direction, mm** - individual results, mm Cross direction **The mean value of resistance to perforation in the seam for cross direction, mm** - individual results, mm	**6 ± 0** 6; 6; 5,5; 5,5; 5 **4 ± 0** 4; 3,5; 4; 4,5; 4,5	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 H50 KM, 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: A category: ≤ 4 mm; **B category: ≤ 6 mm**; C category: ≤ 8 mm		

Test Report prepared by
Patrycja Bąk

Person authorizing the Test Report

LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI
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The end of Test Report

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e-mail: *beata.witkowska@lit.lukasiewicz.gov.pl; jerzy.andrysiak@lit.lukasiewicz.gov.pl*

TEST REPORT NO. BL-ME 830.6 / 2025 / B

1. **Test ordered by:**[X] „TOPTEXTIL" Sp. z o.o., 13 Karola Wojtyły Street, 34-100 Jaroszowice
2. **Name and description of tested material:**[X] the sample: **The upholstery product MARGO,** declared raw material composition: 100% polyester.
3. **Date of receiving material for testing:** 2025-11-19
4. **Date of test performance:** 2025-11-25
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: Elżbieta Olczak

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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: 2025-12-02
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.

Person authorizing the Test Report

LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI
Z-CA KIEROWNIKA
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Parameter	Value	Remarks
The mean of bursting strength, kPa	**664 ± 23**	PN-EN ISO 13938-1:2020-05 (hydraulic method) sample conditioned 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^2, time at burst: (20±5) s, number of test specimens: 5.
The mean of height at burst, mm	**18 ± 1**	
Evaluation according to PN-EN 14465:2005 + A1:2007: requirements level: **A category: ≥ 600 kPa;** B category: ≥ 400 kPa; C category: ≥ 200 kPa		

Test Report prepared by
Patrycja Bąk

Person authorizing the Test Report
LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI
Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

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 Brzezinska Str., phone 48 42 6163142
Laboratory: 90-520 Lodz, 118 Gdanska Str., phone 48 42 2534419
e-mail: *beata.witkowska@lit.lukasiewicz.gov.pl; jerzy.andrysiak@lit.lukasiewicz.gov.pl*

TEST REPORT NO. BL-ME 830.7 / 2025 / B

1. **Test ordered by:**[X] „TOPTEXTIL" Sp. z o.o., 13 Karola Wojtyły Street, 34-100 Jaroszowice
2. **Name and description of tested material**:[X] the sample: **The upholstery product MARGO,** declared raw material composition: 100% polyester.
3. **Date of receiving material for testing:** 2025-11-19
4. **Date of test performance:** 2025-12-01
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: Elżbieta Olczak

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: 2025-12-02
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.

Person authorizing the Test Report

LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI
Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

TEST REPORT NO. BL-ME 830.7 / 2025 / B

Parameter	Result	Test method
Resistance to drawing out the threads for longitudinal direction, degree	4 – 5	PN-79/P-04664 climate for conditioning sample and testing 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, number of the roller revolutions: 200, number of tested specimens: 2 for each direction. 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.
Resistance to drawing out the threads for cross direction, degree	4 – 5	

Test Report prepared by
Patrycja Bąk

Person authorizing the Test Report

LABORATORIUM METROLOGII WŁÓKIENNICZEJ I ELEKTROSTATYKI
Z-CA KIEROWNIKA

mgr inż. Jerzy Andrysiak

The end of Test Report

Łukasiewicz
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AB 029

TEST CERTIFICATE No 370 / BL - PW / 25

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. Karola Wojtyły 13
34-100 Jaroszowice

Subject of testing*:

Upholstery composite:
- Furniture upholstery fabric MARGO - raw material 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	**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:
Aleksandra Rajkowska

Test Certificate authorized by
LABORATORIUM BADAŃ PALNOŚCI WYROBÓW
KIEROWNIK
dr inż. Krzysztof Kostanek

Sample received on: 11.12.2025
Test performed on: 16.12.2025
Test Certificate issued on: 17.12.2025

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 22,3 °C; humidity 30 %

Preparation of test samples:

the sample, 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:
- Furniture upholstery fabric MARGO - raw material 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 burn time: 12 min 41 s					
	Test assembly consumed	NO	NO	-						
	Smoulders to extremities	NO	NO	-						
	Smoulders through thickness	NO	NO	-						
	Smoulders more than 1 hour	NO	NO	-	Maximum upholstery composite destruction:					
	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	12	4	67	11	3

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

END OF THE TEST CERTIFICATE