




Fabric name	Jowisz - 245
Fabric weight	140 ± 5 gsm
Composition	55% Cotton, 45% Polyester
Full width	150 ± 2 cm
Weave	Twill 3/1
Finishes	—
Area of use	premium workwear and uniform
Washing instruction	

Physical properties*

			warp	weft
1	Tensile strength, N	ISO 13934-1:2013	1700	850
2	Tearing strength, N	ISO 13937-3:2000	31.7	31.8
3	Dimensional Stability To Washing, max.	ISO 6330:2000	3.0%	3.0%
4	Abrasion Resistance	ISO 12947-2:2002	> 67 000	
5	Pilling Resistance (after 1000 rev.)	ISO 12945-2:2000	-	
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	4-5	
7	Colour Fastness To Perspiration, min.	ISO 105-E04:2013		
	Colour change		4-5	
	Colour staining		4-5	
8	Colour Fastness To Rubbing, min.	ISO 105-X12:2001		
	Dry		4-5	
	Wet		3-4	
9	Colour Fastness To Light	ISO 105-B02:2013	N/A	

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

* N/A - not applicable.

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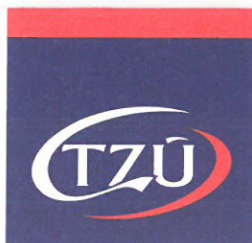
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Textilní zkušební ústav, s.p.

TEXTILNÍ ZKUŠEBNÍ ÚSTAV, s. p. (TEXTILE TESTING INSTITUTE)

Cejl 480/12, Zábrdovice, 602 00 Brno, Czech Republic
Certification Body No. 3044 for the product certification
accredited by CAI according to EN ISO/IEC 17065:2012

INSPECTION REPORT

No.: COV/21/056/K1
(COV/23/057)

Client: Polska Grupa Tekstylna Sp. z o.o. Zeusa 27, 01-497 Warszawa, Poland

Product: **fabric JOWISZ**
declared for production of working clothing
material composition: 55 % cotton/ 45 % polyester
mass per unit area: 245 g.m⁻², weave: twill
colour: white, black; coloured variants of red, yellow, orange, blue, green, beige and gray

Evaluated according to:

- **EN ISO 13688:2013 Protective clothing - General requirements** (Art. 4.2 and Art. 5.3)
- **Methodical recommendation of SZÚ (National Institute of Czech Republic for public health) No. 1/2000 for assessment of products coming into direct contact with human organism through the skin, pertinently through the mucous membrane, Table No. 1**
- **additional parameters:** *tensile strength, tear strength, abrasion resistance, permeability to air, colour fastness – to washing, to rubbing and to perspiration, content of free formaldehyde*

Certificate: No. 21 - 056 of 14.07.2021.


Conclusion: **Inspection tests demonstrated compliance of the material with requirements of technical specification mentioned above. Validity of the certificates is confirmed.**

Certification contract: No. COV/21/29

Date of report issue: 28.02.2023


Number of pages: 3

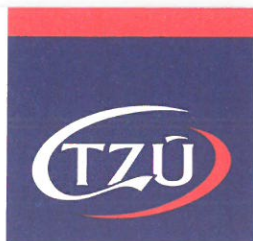
Report issued:


Bc. Ivana Lustigová
Certification body



Report confirmed:


Ing. Lenka Tomková
Certification body



Textilní zkušební ústav, s.p.

COV No. 3044, Inspection report No.: COV/21/056/K1

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1. GENERAL DATA

1.1 Data on the client

The client is a company **Polska Grupa Tekstylna Sp. z o.o.** Zeusa 27, 01-497 Warszawa, Poland. ID: PL 5222709859.

1.2 Data on the product

Evaluated product is textile material - **fabric JOWISZ**. It is declared for production of protective clothing. Construction parameters are shown in Table No. 1.

Table No.1: Basic construction parameters

Fabric	Material composition	Mass	Weave	Coloured
JOWISZ	55 % cotton/ 45 % polyester	245 g.m ⁻²	twill	white, black; coloured variants of red, yellow, orange, blue, green, beige and gray

Product was certificated in 2021.

Certification results are shown in following documents:

- Final report No. COV/21/224 of 13.07.2021
- Certificate No. 21-056 of 14.07.2021

During the inspection selected parameters were checked (order No. COV/23/057).

Client sent sample of fabric with construction parameters:

material composition: 55 % cotton/ 45 % polyester

colour: dark blue

1.3 Technical specifications

Product is certified and then supervised according to technical standards (see page No. 1).

1.4 Data on type of certification

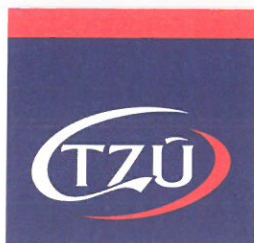
Evaluation of product is performed according to **certification scheme COV TZÚ No. 2/01.04.2020** (based on 2 EN ISO/IEC 17067) - it means type testing and inspection.

2. VERIFICATION OF PRODUCT CONFORMITY WITH REQUIREMENTS OF THE TECHNICAL SPECIFICATION

2.1 Evaluated characteristics

During the inspection selected parameters were checked according to the valid test methods are shown in Table No. 2.





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Table No. 2: Tested parameters and test methods

<i>Parameter</i>	<i>Test method</i>
<i>Additional requirements</i>	
Permeability to air	EN ISO 9237

2.2 Test results and evaluation

Test results of assessed parameters compared with the requirements of technical specification are shown in Table No. 3.

Table No. 3: Test results and evaluation fabric JOWISZ

Characteristic	Measur. unit	Value required	Value identified	Assess- ment
<i>Additional requirements</i>				
Permeability to air	mm.s ⁻¹	declaration of producer	134,6	D/S

Key: S - satisfy requirements of mentioned technical specification
D - declaration of producer (confirmed by testing)

2.3 Test results evaluation - supervision

All identified values on the tested samples are in compliance with the requirements of the standards.

- **additional parameters:** (*Permeability to air*)

3. CONCLUSIONS

On the base of test results it can be stated that assessed fabric JOWISZ meets the parameters of technical specification. Test results confirm permanent level of assessed parameters.

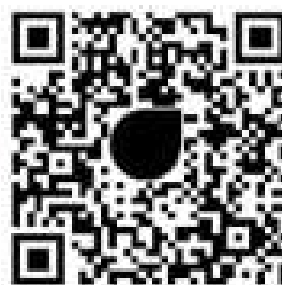
On the base of test results the validity of certificate No. 21 – 056 can be confirmed.

Validity of the certificate issued is qualified by positive results of inspection activities.

4. DOCUMENTS APPLIED FOR THIS INSPECTION REPORT

1. Application for certification No. COV/23/057 of 10.02.2023.
2. Test report No. AZL 23/0186 of 21.02.2023 issued by Accredited testing laboratory of TZÚ Brno.
3. Technical specification mentioned in art. 2 of this report.





**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)

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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