



Textilní zkušební ústav
Václavská 6, 658 41 Brno, Česká republika
(Textile Testing Institute)

TESTING LABORATORY NO. 1001

accredited according to EN ISO/IEC 17025:2005 by Czech institute for accreditation

TEST REPORT

AZL 16/ 0939

CUSTOMER: UAB NOSTRA
Sausių g. 44, Sausių km.
Trakų raj., LT-21401
LITHUANIA

SAMPLE: Wool blanket
(according to the customer order) Colour: grey



SUBJECT OF ASSESSMENT: Tests according to request of customer

**CONDITIONS OF
APPLICATION OF THE TEST
REPORT:**

Test Report contains results of the tests related to the submitted sample only. Sampling has been done by customer. The Report may not be reproduced in any way other than as a complete set. Reproduction of certain parts of the Report is subject to approval of the test laboratory, which has issued it. All information about subcontracted tests results or unaccredited test methods is presented in text part of the test report. This Report is a literal translation of the Czech version.

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PROCEDURE OF ASSESSMENT

Quantitative chemical analysis of textile fibres

was determined according to EN ISO 1833:2011. Before the analysis all fibres in the sample were examined and identified microscopically.

- Test method: no. 4 using hypochlorite – content of wool
- Test method: no. 12 using dimethylformamide – content of acryl
- Content of polyester fibres was calculated additionally by difference after dissolving of the wool and acryl fibres and confirmed microscopically by not accredited Internal Method No. 7.

Results: Content of analysed fibres as a percentage corrected using agreed allowances (Annex IX of the Regulation No. 1007/2011 of the European Parliament and of the Council)

Uncertainty of measurement: 0,5 %.

Colour fastness to washing

was determined according to ČSN EN ISO 105-C06:2010

- Test conditions: test A1S
- Number of steel balls: 10
- Detergent: ECE
- Additional souring: not used
- Adjacent fabrics used: Wool/ Acrylic

Results: Numerical rating of the tested specimen colour change, assessed according to ČSN EN 20105-A02

Staining of the tested specimen to the individual adjacent fabrics, assessed according to ČSN EN 20105-A03

Colour fastness to rubbing

was determined according to ČSN EN ISO 105-X12:2003

- Rubbing conditions: dry
- Rubbing conditions: wet (wetting of rubbing cloth: 100%)
- Rubbing finger: for other textiles [diameter (16±0,1) mm; downward force (9±0,2) N]
- Climatic conditions during testing: temperature (20±2)°C, relative humidity (65±2) %
- Time of air-conditioning of samples: 4 hour

Result: Numerical rating for the staining of tested specimen for warp / weft directions to the cotton rubbing cloth, assessed according to the ČSN EN 20105-A03

Colour fastness to perspiration

was determined according to ČSN EN ISO 105-E04:2013

- Alkaline solution of model perspiration
- Acid solution of model perspiration
- Adjacent fabric: Wool/ Acrylic

Results: Numerical rating of the tested specimen colour change, assessed according to ČSN EN 20105-A02

Staining of the tested specimen to the individual adjacent fabrics, assessed according to ČSN EN 20105-A03





Colour fastness to organic solvents

was determined according to ČSN EN ISO 105-X05:1998

- Solvent used: Perchloroethylene
- Adjacent fabrics used: Wool/ Acrylic

Results: Numerical rating of the tested specimen colour change, assessed according to ČSN EN 20105-A02

Staining of the tested specimen to the individual adjacent fabrics, assessed according to ČSN EN 20105-A03

Mass per unit area

was determined according to ISO 3801:1977

- Conditioning: relative humidity (65±4)%, temperature (20±2)°C
- Standard atmosphere for testing: relative humidity 64 %, temperature 21°C
- Dimension: 10 x 10 cm
- Number of samples: 5

Results: Mass per unit area expressed as g.m⁻²

Dimensional change after wet treatment

was evaluated according to ČSN EN ISO 5077:2008. The samples for evaluation were prepared according to ČSN EN ISO 3759:2012. Washing was carried out according to ČSN EN ISO 6330:2012

- Conditioning: relative humidity (65±4) %, temperature (20±2)°C
- Method: 4N (40±3)°C, Number of washing: 1x
- Washing machine: FOM-71MP, produced by Electrolux-Wascator
- Detergent: standard ECE, Detergent dose: 20 g
- Total mass of the specimens and loading fabric: 2 kg
- Drying: procedure: A – Line dry

Results: Dimensional change expressed in %

(All values of uncertainty of measurement were calculated with assumption of normal distribution. For purposes of calculation of expanded uncertainty values will be multiplied by coverage factor k=2 for statistical level 95%. Sampling was not taken into consideration)

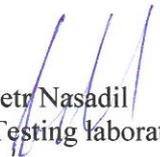




Textilní zkušební ústav

TEST RESULTS:

Wool blanket Colour: grey			
Characteristics	Test method	Measuring unit	Values found
Fibre composition	EN ISO 1833:2011	%	Wool 65,9 Polyester 17,7 Acryl 16,4
Colour fastness to washing . test A1S	ČSN EN ISO 105-C06:2010	grade grey scale	change in colour/ staining of the adjacent fabric 4-5/4/4-5
Colour fastness to rubbing . dry . wet	ČSN EN ISO 105-X12:2003	grade grey scale	staining of the adjacent fabric - warp/ weft 4-5/4-5 4/4
Colour fastness to perspiration . alkaline solution . acid solution	ČSN EN ISO 105-E04:2013	grade grey scale	change in colour/ staining of the adjacent fabric 5/4-5/4-5 5/4-5/4-5
Colour fastness to organic solvents	ČSN EN ISO 105-X05:1998	grade grey scale	change in colour/ staining of the adjacent fabric 4-5/4-5/4-5
Mass per unit area	ISO 3801:1977	g . m ⁻²	607
Dimensional change after wet treatment	ČSN EN ISO 5077:2008	%	column / row -5,0 / -2,0


 Petr Nasadil
 Head of Testing laboratory

