



Textilní zkušební ústav, s.p.  
Václavská 237/6, 603 00 Brno, Česká republika  
(Textile Testing Institute)

**TESTING LABORATORY NO. 1001**  
accredited according to EN ISO/IEC 17025:2018 by the Czech Accreditation Institute

# TEST REPORT

**AZL 19/ 1331**

**CUSTOMER:** **Grade Medical s.r.o.**  
Mníšecká 500  
252 30 Řevnice  
Czech Republic

**SAMPLE:** **StopBac STERILE, sample SB1 - pad**  
(according to the customer order) Antibacterial treatment: SB15 (polymer nanolayer based on TMSPM with Ag)  
Pad: MEDIPAD -WP25060  
Material composition: composite-polymer net - LDPE, hotmelt - thermoplastic rubber, airlaid - PP/PE  
Sterilization: ETO, sterile package

**Untreated reference: MEDIPAD**  
Material composition: composite-polymer net - LDPE, hotmelt - thermoplastic rubber, airlaid - PP/PE

**SUBJECT OF ASSESSMENT:** Determination of antibacterial activity

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

Test Report contains result of the tests related to the submitted sample only. Sampling has been done by customer. The Report may not be reproduced in the 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.

**PREPARED BY:**  
**CHECKED BY:**  
**NUMBER OF PAGES:**

M. Hrubanová  
J. Kneysová  
3

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16.12.2019

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+420 543 426 720  
+420 543 426 742  
<http://www.tzu.cz>  
[azl@tzu.cz](mailto:azl@tzu.cz)



Textilní zkušební ústav, s.p.

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## PROCEDURE OF ASSESSMENT:

### ***Textiles - Determination of antibacterial activity of textile products***

was determined according to EN ISO 20743 – Absorption method.

Used bacteria (cultures delivered from National institute of public health and Czech collection of Microorganisms):

|            |                              |
|------------|------------------------------|
| CNCTC 6120 | <i>Klebsiella pneumoniae</i> |
| CCM 4516   | <i>Staphylococcus aureus</i> |

### Conditions of assessment:

- mass of samples:  $(0.40 \pm 0.05)$  g
- number of samples for each used germ: 6 untreated references, 6 treated samples
- sterilization of test samples: ETO (by customer)
- concentration of testing inoculum: *K. pneumoniae*  $2.7 \times 10^5$  CFU/ml,  
*S. aureus*  $2.3 \times 10^5$  CFU/ml
- inoculated volume on test specimens: 0,2 ml
- shake-out medium: SCDLP
- dilution medium: tryptone
- influence time: 24 h
- temperature in incubator:  $(37 \pm 2)$  °C
- agar: Plate count agar (PCA)
- incubation time of Petri dishes: 24 - 48 h

### Results:

The antibacterial activity value is obtained according to the following formula and it says, by how many logarithmic orders the growth of the tested bacteria in the treated sample is lower comparing to the untreated reference

$$A = (\log C_t - \log C_0) - (\log T_t - \log T_0) = F - G$$

where

**A** is the antibacterial activity value

**F** is the growth value on the control fabric ( $F = \log C_t - \log C_0$ )

**G** is the growth value on the antibacterial-treated sample ( $G = \log T_t - \log T_0$ )

**log C<sub>t</sub>** is the average common logarithm for the number of bacteria obtained from three test samples of control fabric after an 18 h to 24 h incubation

**log C<sub>0</sub>** is the average common logarithm for the number of bacteria obtained from three test samples of control fabric after immediately after inoculation

**log T<sub>t</sub>** is the average common logarithm for the number of bacteria obtained from three antibacterial-treated test samples after an 18 h to 24 h incubation

**log T<sub>0</sub>** is the average common logarithm for the number of bacteria obtained from three antibacterial-treated test samples immediately after inoculation





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TEST RESULTS:

| <b>StopBac STERILE, sample SB1 - pad</b>                                 |   |      |   |      |
|--|---|------|---|------|
| Antibacterial treatment: SB15 (polymer nanolayer based on TMSPM with Ag) |   |      |   |      |
| <b>Untreated reference: Untreated reference: MEDIPAD</b>                 |   |      |   |      |
| Name of test bacteria (strain number)                                    | <i>Staphylococcus aureus</i> (CCM 4516) |      | <i>Klebsiella pneumoniae</i> (CNCTC 6120) |      |
| Concentration of inoculum (CFU/ml)                                       | 2.3 . 10 <sup>5</sup>                   |      | 2.7 . 10 <sup>5</sup>                     |      |
| Difference of extremes for three control fabrics (log)                   | 0 h                                     | 24 h | 0 h                                       | 24 h |
|  | 0.01                                    | 0.77 | 0.05                                      | 0.76 |
| Growth value of F  | 1.24                                    |      | 3.12                                      |      |
| Growth value of G  | - 1.06                                  |      | -3.48                                     |      |
| Antibacterial activity value A   | <b>2.29</b>                             |      | <b>6.60</b>                               |      |
| Quantitative method of measuring   | method of counting colonies             |      |   |      |
| Sterilization method   | ETO (by customer)                       |      |   |      |
| Incubation time  | 24 h                                    |      |   |      |

Petr Nasadil  
Head of Testing Laboratory







EA MLA Signatory  
Český institut pro akreditaci, o.p.s.  
Olšanská 54/3, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

# CERTIFICATE OF ACCREDITATION

No. 400/2019

**Textilní zkušební ústav, s.p.**  
with registered office Václavská 237/6, Staré Brno, 603 00 Brno, Company Registration  
No. 00013251

to the Testing Laboratory No. 1001  
Testing Laboratory

Scope of accreditation:

Physical, chemical and microbiological tests in the manufacture of textiles and apparel, tests of combustibility of textiles and testing of furniture surface layers, collection of samples for microbiological testing to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 192/2018 of 13. 4. 2018, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **13. 4. 2023**

Prague: 8. 8. 2019



*J. Růžička*  
**Jiří Růžička**  
Director  
Czech Accreditation Institute  
Public Service Company



**Appendix is an integral part of  
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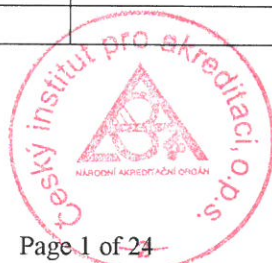
**Textilní zkušební ústav, s.p.**  
Testing Laboratory  
Václavská 237/6, Staré Brno, 603 00 Brno

*The Laboratory has a flexible scope of accreditation permitted as detailed in the Annex.*

*Updated list of activities provided within the flexible scope of accreditation is available at the laboratory from the Quality Manager.*

**Tests:**

| Ordinal number <sup>1</sup> | Test procedure/<br>method name   | Test procedure/<br>method identification <sup>2</sup> | Tested object                      |
|-----------------------------|--|---|------------------------------------|
| <b>Fibres and yarns</b>     |  |   |                                    |
| A1                          | Reserved   |   |                                    |
| A2                          | Reserved   |   |                                    |
| A3                          | Reserved   |   |                                    |
| A4                          | Determination of fibre diameter.<br>Projection microscope method   | ČSN 80 0240:1993<br>IWS TM 24:1996                    | Textiles                           |
| A5                          | Reserved   |   |                                    |
| A6                          | Textile fibres - Determination of<br>linear density - Gravimetric<br>method and vibroscope method          | ČSN EN ISO 1973                                       | Textiles                           |
| A7                          | Textiles- Yarn from packages -<br>Determination of single-end<br>breaking force and elongation at<br>break | ČSN EN ISO 2062                                       | Textiles                           |
| A8                          | Determination of twist in yarns -<br>Direct counting method  | ČSN EN ISO 2061                                       | Textiles                           |
| A9                          | Yarn from packages -<br>determination of linear density<br>(mass per unit length) by the skein<br>method   | ČSN EN ISO 2060                                       | Textiles                           |
| A10                         | Reserved   |   |                                    |
| A11                         | Reserved   |   |                                    |
| A12                         | Para-aramid multifilament yarns -<br>Test methods  | ČSN EN 12562  | Para-aramid<br>multifilament yarns |
| A13                         | Reserved   |   |                                    |
| A14                         | Reserved   |   |                                    |
| <b>Textile fabrics</b>      |  |   |                                    |
| B1                          | Textiles. Determination of<br>standard dry mass and moisture<br>content                                    | ČSN 80 0074:1981                                      | Textiles                           |
| B2                          | Testing of commercial dry<br>cleaning effect on textiles   | ČSN EN ISO 3175-1, 2                                  | Textiles                           |
| B3                          | Reserved   |   |                                    |

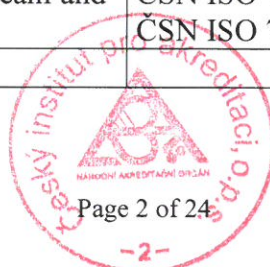


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|-----------------------------|---|--|-----------------------|
| B4                          | Tensile properties of fabrics   | ČSN EN ISO 13934-1<br>ISO 5081:1977<br>IWS TM 4:1996<br>ČSN EN 29073-3<br>ASTM D 2262-83<br>ASTM D 5034-01<br>ČSN EN ISO 1798                            | Textiles              |
| B5                          | Determination of number of threads per unit length                                  | ČSN EN 1049-2<br>ČSN EN 14079, part 5.6  | Textiles              |
| B6                          | Resistance to rubbing on rotating rubbing apparatus                                 | PV 3908  | Textiles              |
| B7                          | Permeability of fabrics to air  | ČSN EN ISO 9237  | Textiles              |
| B8                          | Recovery form creasing and the angle of recovery                                    | ČSN EN 22313   | Textiles              |
| B9                          | Determination of water suction capacity   | ČSN 80 0828:1992   | Textiles              |
| B10                         | Domestic washing and drying procedures for textile testing                          | ČSN EN ISO 6330<br>ČSN EN ISO 3759<br>ČSN EN ISO 5077<br>ISO 7771<br>PN 47451963/025/80/98   | Textiles              |
| B11                         | Determination of dimensional changes after damp pressing                            | ČSN 80 0823<br>DIN 53 894:1980   | Textiles              |
| B12                         | Determination of resistance to surface wetting (spray test)                         | ČSN EN ISO 4920  | Textiles              |
| B13                         | Tear properties of fabrics  | ČSN EN ISO 13937-2<br>ČSN EN ISO 13937-3<br>ČSN EN ISO 13937-4<br>BS 4303:1968<br>DIN 53859-4:1977<br>DIN 16726:2017<br>ČSN ISO 6383-1<br>SN EN ISO 8067 | Textiles,<br>plastics |
| B14                         | Absorbability of textile fabrics  | ČSN 80 0831:1970,<br>change A 1988<br>ČSN EN ISO 62<br>AATCC 195-2009  | Textiles,<br>plastics |
| B15                         | Appearance after washing.<br>Smoothness of surfaces, seam and stableness of creases | ČSN ISO 7768<br>ČSN ISO 7769<br>ČSN ISO 7770   | Textiles              |
| B16                         | Reserved  |  |                       |



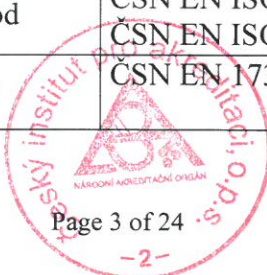


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|-----------------------------|--|--|---------------------------------------|
| B17                         | Resistance to pilling by chamber pilling test  | ČSN 80 0838<br>ASTM D 3512-82  | Textiles                              |
| B18                         | Determination of elongation  | ČSN 80 0840:1990<br>PN 251-03-80   | Textiles                              |
| B19                         | Determination of seam slippage of woven fabrics<br>Fixed seam opening method<br>Fixed load method<br>Needle clamp method | ČSN EN ISO 13936-1<br>ČSN EN ISO 13936-2<br>ČSN EN ISO 13936-3   | Textiles                              |
| B20                         | Determination of width and length  | ČSN EN 1773  | Textiles                              |
| B21                         | Abrasion resistance of fabrics by the Martindale method  | ČSN EN ISO 12947-1<br>ČSN EN ISO 12947-2<br>ČSN EN ISO 12947-3<br>ČSN EN ISO 12947-4<br>ČSN EN ISO 5470-2<br>BS 4655:1986<br>BS 5690:1991<br>DIN 53 863:1979, method B<br>ČSN EN ISO 20344 | Textiles                              |
| B22                         | Skewing in textile fabrics, piece goods and clothing   | ČSN 80 0865  | Textiles                              |
| B23                         | Number of stitches per unit length and unit area   | ČSN EN 14971   | Knitted fabrics                       |
| B24                         | Weight of knitted garments and piece goods   | ČSN 80 0863:1992   | Textiles                              |
| B25                         | Reserved   |  |                                       |
| B26                         | Determination of maximum force using the Grab method   | ČSN EN ISO 13934-2<br>ASTM D 1682:1984<br>ISO 5082:1982<br>DIN 53 858:1979   | Textiles                              |
| B27                         | Stress-strain characteristic in compression  | ČSN EN ISO 3386-1<br>ČSN EN ISO 3386-2<br>ČSN EN ISO 1856  | Flexible cellular polymeric materials |
| B28                         | Determination of coating adhesion  | ČSN EN ISO 2411  | Textiles                              |
| B29                         | Fabric propensity to surface fuzzing and to pilling<br>ICI method<br>Martindale modified method                          | SN 198 525<br>IWS TM 152:1996<br>ČSN EN ISO 12945-1<br>ČSN EN ISO 12945-2  | Rubber or plastic coated textiles     |
| B30                         | Determination of flexibility   | ČSN EN 1735  | Rubber or plastic coated textiles     |





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|-----------------------------|---|--|--------------------------------------|
| B31                         | Bursting properties of fabrics  | ČSN EN ISO 13938-1   | Textiles                             |
| B32                         | Determination of tear strength -<br>Part 3: Trapezoidal method  | ČSN EN 1875-3  | Rubber or plastic<br>coated textiles |
| B33                         | Accelerated ageing tests, Heat<br>ageing  | ČSN EN 12280-1<br>ISO 17493<br>ČSN EN 469+A1, part 6.4<br>ČSN EN 13911, part 6.1.6<br>ČSN EN 1486, part 6.5<br>ČSN EN 15614, part 6.4<br>EN ISO 11612, part 6.2<br>PV 1200 | Rubber or plastic<br>coated textiles |
| B34                         | Reserved  |  |                                      |
| B35                         | Determination of bursting strength<br>- Part 1: Steel ball method   | ČSN EN 12332-1   | Rubber or plastic<br>coated textiles |
| B36                         | Determination of bending length   | ČSN EN ISO 9073-7<br>PNJ 532-80-95   | Textiles                             |
| B37                         | Reserved  |  |                                      |
| B38                         | Reserved  |  |                                      |
| B39                         | Reserved  |  |                                      |
| B40                         | Reserved  |  |                                      |
| B41                         | Physiological properties. Thermal<br>and water-vapour resistance under<br>steady-state conditions (sweating<br>guarded-hotplate test) | ČSN EN ISO 11092   | Textiles                             |
| B42                         | Reserved  |  |                                      |
| B43                         | Classification of thermoregulatory<br>properties  | TNI CEN/TR 16422,<br>Annex B<br>STN CEN/TR 16422,<br>Annex B   | Textiles                             |
| B44                         | Reserved  |  |                                      |
| B45                         | Tensile strength and elongation at<br>break of coated textiles and<br>rubbers   | ČSN EN ISO 1421  | Textiles                             |
| B46                         | Abrasion resistance of protective<br>clothing material  | ČSN EN 530<br>ČSN EN 343+A1,<br>part 5.1.3.3<br>ČSN EN ISO 20471,<br>part 7.4.1<br>ČSN EN 14325, part 4.4.1,<br>4.14, 4.15 and Annex A                                     | Protective clothing                  |

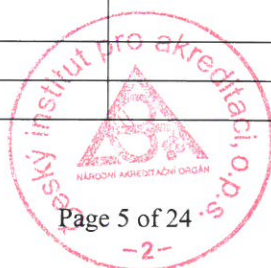


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|-----------------------------|---|--|--|
| B47                         | Resistance of textile fabrics to water penetration; hydrostatic pressure test                     | ČSN EN ISO 811<br>ČSN EN 343 + A1, part 5.1<br>ČSN EN 342, part 5.3,4.2<br>ČSN EN 1734 | Textiles,<br>coated textiles             |
| B48                         | Determination of tear resistance  | ČSN EN ISO 4674-1  | Textiles-synthetic<br>leather            |
| B49                         | Determination of total and permanent extension  | P-VW 3909  | Textiles                                 |
| B50                         | Reserved  |  |  |
| B51                         | Determination of maximum force to seam rupture  | ČSN EN ISO 13935-1<br>ČSN EN ISO 13935-2   | Textiles                                 |
| B52                         | Test methods and performance classification of chemical protective clothing                       | ČSN EN 14325,<br>part 4.5,4.6,4.14, 4.15   | Protective clothing<br>against chemicals |
| B53                         | Abrasion resistance - Taber abrader   | ČSN EN ISO 5470-1  | Rubber or plastic<br>coated textiles     |
| B54                         | Methods for determination of length, width and net mass   | ČSN EN ISO 2286-1<br>ČSN EN ISO 2286-2<br>ČSN EN ISO 2286-3                            | Rubber or plastic<br>coated textiles     |
| B55                         | Reserved  |  |  |
| B56                         | Measurement of dimensions of finished products.   | ČSN 80 7040<br>ČSN 80 0864:2008<br>ČSN EN 13402-1                                      | Textiles, clothing                       |
| B57                         | Reserved  |  |  |
| B58                         | Reserved  |  |  |
| B59                         | Protective clothing - Mechanical properties   | ČSN EN 863, change 1<br>ČSN EN 388, part 6.2, 6.4,<br>6.5                              | Protective clothing,<br>gloves           |
| B60                         | Determination of dimensional change and maximum force using the Grab method                       | ČSN EN 381-2 ,<br>Part. 4, 5, 6 and chap. 9  | Protective clothing                      |
| B61                         | Determination of surface resistivity<br>Determination of electrical resistance through a material | ČSN EN 1149-1<br><br>ČSN EN 1149-2   | Protective clothing                      |
| B62                         | Protective clothing - Electrostatic properties  | ČSN 34 1382,<br>part 5, part 6.6   | Textiles                                 |
| B63                         | Determination of the electrical resistance  | ČSN 80 0059  | Textiles                                 |
| B64                         | Reserved  |  |  |
| B65                         | Reserved  |  |  |





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|-----------------------------|--|--|-----------------------------|
| B66                         | Camping tents - testing methods  | ČSN ISO 5912, Part 8.4   | Tents                       |
| B67                         | Mountaineering equipment - Tape<br>- Safety requirements and test<br>methods                           | ČSN EN 565, chap.5   | Mountaineering<br>equipment |
| B68                         | Determination of thickness of<br>textiles and textile products   | ČSN EN ISO 5084<br>ČSN EN ISO 9073-2<br>ČSN 64 0181:1986   | Textiles,<br>geotextiles    |
| B69                         | Determination of weight  | ČSN 80 0845:1981,<br>change 1:1994<br>ČSN EN 29073 -1<br>ISO 9073-1:1989<br>ISO 3801:1977<br>ČSN 80 0863:1992<br>ČSN EN ISO 9864<br>ČSN EN 984<br>ČSN EN 12127<br>ČSN EN ISO 23997 | Textiles,<br>geotextiles    |
| B70                         | Assessing appearance of apparel<br>and other textile end products after<br>domestic washing and drying | ČSN EN ISO 15487   | Textiles                    |
| B71                         | Abrasion resistance  | ČSN EN 14465, Annex A  | Upholstery fabrics          |
| B72                         | Absorption   | ČSN EN ISO 9073-6  | Nonwovens                   |
| B73                         | Specification for glass polyester<br>fibre woven tapes - force to<br>rupture                           | ČSN EN 61067-2, part 2.5;<br>2.8<br>ČSN EN 61068-2   | Textiles                    |
| B74                         | Determination of the abrasion<br>resistance of knitted footwear<br>garments                            | ČSN EN 13770, part 4<br>paragraph 1  | Textiles                    |
| B75                         | Determination of the elasticity of<br>fabrics - Strip tests  | ČSN EN 14704-1<br>ČSN EN 14704-2   | Textiles                    |
| B76                         | Test methods for terry towel<br>fabrics  | ČSN EN 1469,<br>Annex A, B, C<br>ČSN EN 15598  | Terry towels and<br>fabrics |
| B77                         | Reserved   |  |                             |
| B78                         | Testing of sleeping bags   | ČSN EN 13537<br>ČSN EN ISO 23537-1   | Textiles                    |
| B79                         | Fibre proof properties of fabrics -<br>Rubbing test  | ČSN EN 15586   | Textiles                    |
| B80                         | Measurement of thermal insulation<br>by means of a thermal manikin                                     | ČSN EN ISO 15831   | Textiles                    |

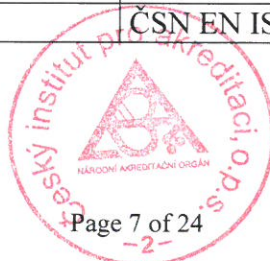


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|--|--|---|-----------------------------------|
| B81  | Volume under load and easiness of packing  | ČSN EN 13538-3  | Sleeping bags                     |
| B82  | Determination of resistance to damage by flexing   | ČSN EN ISO 7854, method C   | Textiles                          |
| B83  | Gloves and arm guards protecting - Impact cut test for fabric, leather and other materials | ČSN EN 1082-3   | Textiles, leather                 |
| <b>Geotextiles, geosynthetics, nonwoven textiles</b> |  |   |                                   |
| C1   | Testing of suppleness of textiles by projection.   | ČSN EN ISO 9073-9   | Geotextiles                       |
| C2   | Reserved   |   |                                   |
| C3   | Dynamic perforation test (cone drop test)  | ČSN EN ISO 13433  | Geotextiles                       |
| C4   | Determination of tensile strength and breaking elongation                                  | ISO 9073-3:1989<br>ČSN EN 29073-3<br>ČSN EN ISO 10319<br>ČSN EN ISO 527-1<br>ČSN EN ISO 527-2<br>ČSN EN ISO 527-3<br>ČSN EN ISO 527-4<br>ČSN EN 14576 | Geotextiles                       |
| C5   | Determination of the pyramid puncture resistance of supported geosynthetics                | ČSN EN 14574  | Geotextiles                       |
| C6   | Determination of moisture content  | ČSN EN ISO 3344   | Reinforced products               |
| C7   | Determination of dimensional stability   | ČSN EN 1107-1<br>ČSN EN 1107-2  | Flexible sheets for waterproofing |
| C8   | Bitumen, plastic and rubber sheets for roof waterproofing                                  | ČSN EN 1928   | Flexible sheets for waterproofing |
| C9   | Geotextiles - Tensile test for joints/seams by wide-width method                           | ČSN EN ISO 10321  | Geotextiles                       |
| C10  | Durability testing   | ČSN EN 12226  | Geotextiles                       |
| C11  | Static puncture test (CBR-Test)  | ČSN EN ISO 12236  | Geotextiles                       |
| C12  | Determination of tear resistance   | ČSN EN ISO 9073-4   | Geotextiles                       |
| C13  | Determination of the characteristic opening size   | ČSN EN ISO 12956  | Geotextiles                       |
| C14  | Wide-width tensile test  | ČSN EN ISO 10319  | Geotextiles                       |



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|-----------------------------|---|---|-----------------------------------|
| C15                         | Determination of water permeability characteristics normal to the plane, without load | ČSN EN ISO 11058                                      | Geotextiles                       |
| C16                         | Reserved  |   |                                   |
| C17                         | Reserved  |   |                                   |
| C18                         | Determination of resistance to tearing (nail shank)                                   | ČSN EN 12310-1  | Flexible sheets for waterproofing |
| C19                         | Plastic roofing sheets and plastic sheets for waterproofing; testing                  | DIN 16 726:1986                                       | Geomembranes                      |
| C20                         | Plastic roofing sheets and plastic sheets for waterproofing; testing                  | DIN 16 726:1986                                       | Geomembranes                      |
| C21                         | Dimensional stability of plastic films  | ČSN 64 0610:1977                                      | Geomembranes                      |
| C22                         | Plasticized polyvinylchloride foils for liquid insulation - Standards of quality      | ČSN CEN/TS 14416                                      | Geosynthetics                     |
| C23                         | Strength of internal structural junctions   | ČSN EN ISO 13426-1<br>ČSN EN ISO 13426-2              | Geocells                          |
| C24                         | Determination of mass per unit area of clay geosynthetic barriers                     | ČSN EN 14196  | Geosynthetics                     |
| C25                         | Test methods for measuring mass per unit area of clay geosynthetic barriers           | ČSN EN ISO 9863-1<br>ČSN EN ISO 9863-2                | Geosynthetics                     |
| C26                         | Determination of linear dimensions  | ČSN EN ISO 1923                                       | Cellular plastics and rubbers     |
| C27                         | Determination of compression behaviour  | ČSN EN ISO 25619-1,2                                  | Geotextiles                       |
| C28                         | Determination of permeability to liquids  | ČSN EN 14150  | Geosynthetic barriers             |
| C29                         | Determination of thickness and mass per unit area (Bitumens)                          | ČSN EN 1849-1<br>ČSN EN 1849-2                        | Flexible sheets for waterproofing |
| C30                         | Determination of strength of bitumen sheets   | ČSN EN 12311-1  | Flexible sheets for waterproofing |
| C31                         | Determination of tensile properties   | ČSN EN 14576  | Geosynthetics                     |
| <b>Floor coverings</b>      |   |   |                                   |
| D1                          | Reserved  |   |                                   |
| D2                          | Reserved  |   |                                   |
| D3                          | Reserved  |   |                                   |
| D4                          | Reserved  |   |                                   |
| D5                          | Determination of turf withdrawal force  | ČSN 80 4408   | Textile floor coverings           |



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|-----------------------------|---|---|---------------------------------------|
| D6                          | Determination of dimensional changes as a result of wet processing  | ČSN 80 4409<br>ČSN EN 986                             | Textile floor coverings               |
| D7                          | Reserved  |   |                                       |
| D8                          | Reserved  |   |                                       |
| D9                          | Reserved  |   |                                       |
| D10                         | Determination of wear of textile floor coverings - castor chair test  | ČSN EN 985<br>ČSN EN 425                              | Resilient and textile floor coverings |
| D11                         | Determination of the wearing process of textile floor coverings - drum test   | ČSN ISO 10361   | Textile floor coverings               |
| D12                         | Reserved  |   |                                       |
| D13                         | Reserved  |   |                                       |
| D14                         | Determination of number of tufts and/or loops per unit length and per unit area   | ČSN ISO 1763  | Textile floor coverings               |
| D15                         | Assessment of the creep of the backings   | ČSN EN 995  | Textile floor coverings               |
| D16                         | Determination of the length of the edges and squareness of tiles  | ČSN EN 994  | Textile floor coverings               |
| D17                         | Determination of dimensional changes due to the effects of varied water and heat conditions and distortion out of plane | ČSN EN 986  | Textile floor coverings               |
| D18                         | Determination of the effect of simulated movement of a furniture leg  | ČSN EN 424  | Resilient floor coverings             |
| D19                         | Resilient floor coverings - Determination of density  | ČSN EN ISO 23996                                      | Resilient floor coverings             |
| D20                         | Determination of side length, edge, straightness and squareness of tiles  | ČSN EN ISO 24342                                      | Resilient floor coverings             |
| D21                         | Determination of shear force  | ČSN EN 432  | Resilient floor coverings             |
| D22                         | Determination of exudation of plasticizers  | ČSN EN 665  | Resilient floor coverings             |
| D23                         | Determination of the length of the edges and squareness of tiles  | ČSN EN 994  | Textile floor coverings               |



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|-----------------------------|---|---|---------------------------------------|
| D24                         | Determination of dimensional changes due to the effects of varied water and heat conditions and distortion out of plane | ČSN EN 986  | Resilient floor coverings             |
| D25                         | Determination of dimensional stability and curling after exposure to heat   | ČSN EN ISO 23999                                      | Resilient floor coverings             |
| D26                         | Dimensional stability of linoleum tiles caused by changes in atmospheric humidity                                       | ČSN EN 669  | Resilient floor coverings             |
| D27                         | Resilient floor coverings - Determination of seam strength  | ČSN EN 684  | Resilient floor coverings             |
| D28                         | Determination of the apparent effective thickness of the backing  | ČSN EN 1318   | Textile floor coverings               |
| D29                         | Reserved  |   |                                       |
| D30                         | Assessment of changes in appearance   | ČSN EN ISO 9405                                       | Textile floor coverings               |
| D31                         | Determination of wool fibre integrity using an abrasion machine   | ČSN EN 1813   | Textile floor coverings               |
| D32                         | Reserved  |   |                                       |
| D33                         | Reserved  |   |                                       |
| D34                         | Determination of electrical resistance  | ISO 10965:2011<br>ČSN EN 1081<br>ČSN EN 61340-4-1     | Textile and resilient floor coverings |
| D35                         | Determination of staining and resistance to chemicals   | ČSN EN ISO 26987                                      | Resilient floor coverings             |
| D36                         | Determination of length, width and straightness of sheet  | ČSN EN ISO 24341                                      | Resilient floor coverings             |
| D37                         | Determination of thickness of layers  | ČSN EN ISO 24346<br>ČSN EN ISO 24340                  | Resilient floor coverings             |
| D38                         | Determination of peel resistance  | ČSN EN ISO 24345                                      | Resilient floor coverings             |
| D39                         | Determination of indentation and residual indentation   | ČSN EN ISO 24343-1                                    | Resilient floor coverings             |
| D40                         | Reserved  |   |                                       |
| D41                         | Determination of moisture content of agglomerated composition cork  | ČSN EN 12105  | Resilient floor coverings             |
| D42                         | Determination of thickness  | ČSN ISO 1765  | Textile floor coverings               |

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|-----------------------------|---|---|---|
| D43                         | Determination of thickness of pile above the substrate                                      | ČSN ISO 1766  | Textile floor coverings                     |
| D44                         | Determination of dimensional changes due to the effects of varied water and heat conditions | ČSN ISO 2551  | Textile floor coverings                     |
| D45                         | Determination of dimensions   | ČSN ISO 3018  | Textile floor coverings                     |
| D46                         | Methods for determination of mass   | ČSN ISO 8543<br>ČSN EN ISO 23997  | Floor coverings                             |
| D47                         | Measurement of dynamic coefficient of friction on dry floor surfaces                        | ČSN EN 13893  | Floor coverings                             |
| D48                         | Determination of wear resistance - Frick-Taber test   | ČSN EN 660-2, change A1   | Floor coverings                             |
| D49                         | Determination of flexibility and deflection   | ČSN EN ISO 24344,<br>method A   | Floor coverings                             |
| D50                         | Resilient floor coverings - waterproofness  | ČSN EN 13553, method A  | Floor coverings                             |
| D51                         | Determination of the spreading of water   | ČSN EN 661  | Floor coverings                             |
| <b>Flammability testing</b> |   |   |   |
| E1                          | Assessment of the ignitability of upholstered furniture - smouldering cigarette             | ČSN EN 1021-1<br>ČSN EN 597-1<br>ČSN EN ISO 12952-1<br>ISO 8191-1:1987<br>BS 5852:2006                      | Furniture, textiles, mattresses, bed sheets |
| E2                          | Assessment of the ignitability of upholstered furniture - match flame equivalent            | ČSN EN 1021-2<br>ČSN EN 597-2<br>ČSN EN ISO 12952-2<br>ISO 8191-2:1988<br>BS 5852 chap. 9.2<br>BS 6807:2006 | Furniture, textiles, mattresses, bed sheets |
| E3                          | Determination of resistance to stubbed and burning cigarettes                               | ČSN EN 1399   | Furniture, textiles                         |
| E4                          | Determination of burning behaviour of interior materials in motor vehicles                  | ČSN ISO 3795<br>DIN 75 200<br>FMVSS 302<br>TL 1010  | Road vehicles                               |



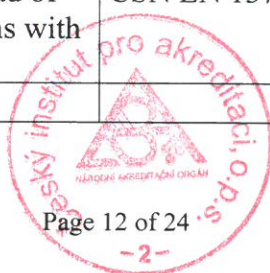


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|-----------------------------|---|---|--|
| E5                          | Burning behaviour - procedure to determine the ignitability of vertically oriented specimens  | ČSN EN 1625<br>ČSN EN ISO 6940<br>ČSN EN ISO 6941<br>ČSN EN 1103<br>ČSN EN 1624 | Textiles                                     |
| E6                          | Safety of toys - Flammability   | ČSN EN 71-2+A1  | Toys, textiles                               |
| E7                          | Commercial laundering procedure for textile fabrics prior to flammability   | ČSN EN ISO 10528<br>ČSN EN ISO 12138  | Textiles                                     |
| E8                          | Burning behaviour, curtains and drapes  | ČSN EN 1101, change A1<br>ČSN EN 1102   | Curtains, drapes                             |
| E9                          | Determination of the burning behaviour using a radiant heat source  | ČSN EN ISO 9239-1   | Textile resilient floor coverings            |
| E10                         | Protection against heat and flame - Method of test for limited flame spread   | ČSN EN ISO 15025<br>ČSN EN 469, Part 6.1  | Protective clothing                          |
| E11                         | Reserved  |   |  |
| E12                         | Reserved  |   |  |
| E13                         | Reserved  |   |  |
| E14                         | Methods of test for assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources                 | BS 5852:2006<br>BS 6807:2006  | Furniture, mattresses, textiles              |
| E15                         | Flammability performance of fabrics and fabric combinations used in nightwear garments. Flammability of vertically oriented specimens | BS 5722<br>BS 5438  | Textiles                                     |
| E16                         | Federal air regulations - Appendix F: Flammability tests  | FAR 23.853, Part I, Annex F   | Textiles                                     |
| E17                         | Ignitability of building products subjected to direct impingement of flame - Single-flame source test                                 | ČSN EN ISO 11925-2  | Textiles, textile, plastic building products |
| E18                         | Reaction to fire tests - clothes  | NFPA 702-1980<br>16 CFR Ch. § 1610,<br>(1-1-03 edition) 1998                    | Textiles                                     |
| E19                         | Measurement of flame spread of vertically oriented specimens with large ignition source   | ČSN EN 13772  | Textiles                                     |
| E 20                        | Reserved  |   |  |



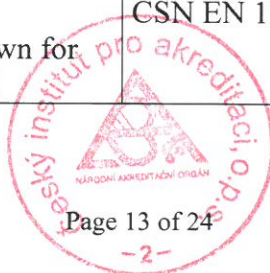


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|--|--|--|---------------------|
| E 21   | Evaluation of materials and material assemblies when exposed to a source of radiant heat         | ČSN EN ISO 6942  | Protective clothing |
| E 22   | Burning behaviour of materials for marquees, large tents and related products - Ease of ignition | ČSN EN 14115   | Textiles, plastics  |
| E 23   | Burning and melting characteristics  | E/ECE/324E/ECetrans/505<br>MoIT CR Regulation No.<br>118/2005, Annex No. 7 | Textiles, plastics  |
| <b>Fasteners, zippers, feather, self-adhesive tapes, toys, other</b> |  |  |                     |
| F1   | Dimensions, yarns adhesivity, cleanability   | ČSN EN 266   | Wall coverings      |
| F2   | Safety of toys - Mechanical and physical properties  | ČSN EN 71-1,   | Toys                |
| F2a  | Small parts cylinder   | Part 8.2   |                     |
| F2b  | Torque test  | Part 8.3   |                     |
| F2c  | Tension test   | Part 8.4   |                     |
| F2d  | Accessibility of a part of component   | Part 8.10  |                     |
| F2e  | Geometric shape of certain toys  | Part 8.16  |                     |
| F2f  | Electric resistivity of cords  | Part 8.19  |                     |
| F2g  | Loads  | Part 8.23.2  |                     |
| F2h  | Thickness  | Part 8.25.1  |                     |
| F3   | Slide fasteners - Test methods   | ČSN 93 6210-3:1996,<br>change 1  | Slide fasteners     |
| F4   | Measurement of peel adhesion   | ČSN EN 1939<br>ČSN EN 1941<br>ČSN EN 12024                                 | Self-adhesive tapes |
| F5   | Determination of moisture content  | ČSN EN 1161  | Feather             |
| F6   | Method of test for measuring the sizes of quilts   | ČSN EN 1167  | Feather             |
| F7   | Determination of the quantitative composition of feather and down (manual method)                | ČSN EN 12131   | Feather             |
| F8   | Methods of testing the down proof properties of fabrics - Rubbing test                           | ČSN EN 12132-1   | Feather             |
| F9   | Determination of the commercial mass of a lot of feather and down                                | ČSN EN 1882  | Feather             |
| F10  | Composition labelling of processed feathers and down for use as sole filling material            | ČSN EN 12934   | Feather             |



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|------------------------------|--|---|--|
| F11                          | Determination of the overall and effective widths of tapes and the effective width of a closure, determination of peel strength and dimensional change in washing and dry cleaning<br><br>Cycling procedure for subsequent testing | ČSN EN 12240<br><br>ČSN EN 12241<br>ČSN EN 12242<br>ČSN EN 12243<br>ČSN EN 1414 | Touch and close fasteners                    |
| F12                          | Feather and down - categorisation  | ČSN EN 1883   | Feather                                      |
| F13                          | Reserved   |   |  |
| F14                          | Reserved   |   |  |
| F15                          | Reserved   |   |  |
| F16                          | Reserved   |   |  |
| F17                          | Reserved   |   |  |
| <b>Colorfastness testing</b> |  |   |  |
| G1                           | Reserved   |   |  |
| G2                           | Tests for colour fastness - grey scale for assessing change in colour  | ČSN EN 20105-A02  | Textiles                                     |
| G3                           | Textiles - Tests for colour fastness - Grey scale for assessing staining   | ČSN EN 20105-A03  | Textiles                                     |
| G4                           | Method for the instrumental assessment of the degree of staining of adjacent fabrics   | ČSN EN ISO 105-A04  | Textiles                                     |
| G5                           | Instrumental assessment of change in colour for determination of grey scale rating   | ČSN EN ISO 105-A05  | Textiles                                     |
| G6                           | Determination of colour fastness to artificial light: Xenon arc fading lamp test   | ČSN EN ISO 105-B02  | Textiles                                     |
| G7                           | Determination of colour fastness to artificial weathering: Xenon arc fading lamp test  | ČSN EN ISO 105-B04, part 4.3.1  | Textiles                                     |
| G8                           | Colour fastness and ageing to artificial light at high temperatures: Xenon arc fading lamp test  | ČSN EN ISO 105-B06<br>PV 1303   | Textiles and plastics for transport vehicles |





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|-----------------------------|---|--|---------------|
| G9                          | Determination of colour fastness to domestic and commercial laundering      | ČSN EN ISO105-C06  | Textiles      |
| G10                         | Determination of colour fastness for domestic and commercial laundering     | ČSN EN ISO 105-C10   | Textiles      |
| G11                         | Determination of colour fastness to dry cleaning                            | ČSN EN ISO 105-D01   | Textiles      |
| G12                         | Determination of colour fastness to rubbing: Organic solvents               | ČSN EN ISO 105-D02   | Textiles      |
| G13                         | Determination of colour fastness to water                                   | ČSN EN ISO 105-E01<br>STN 80 0055, part 4.9.2  | Textiles      |
| G14                         | Determination of colour fastness to sea water                               | ČSN EN ISO 105-E02   | Textiles      |
| G15                         | Determination of colour fastness to chlorinated water (swimming-pool water) | ČSN EN ISO 105-E03   | Textiles      |
| G16                         | Determination of colour fastness to perspiration                            | ČSN EN ISO 105-E04<br>MoH CR Regulation No. 84/2001 Coll., Annex No. 8, 9, 10<br>STN 80 0055, part 4.9.3 | Textiles      |
| G17                         | Determination of colour fastness to spotting: Acid                          | ČSN EN ISO 105-E05   | Textiles      |
| G18                         | Determination of colour fastness to spotting: Alkali                        | ČSN EN ISO 105-E06   | Textiles      |
| G19                         | Determination of colour fastness to spotting: Water                         | ČSN EN ISO 105-E07   | Textiles      |
| G20                         | Determination of colour fastness to bleaching: Hypochlorite                 | ČSN EN 20105-N01   | Textiles      |
| G21                         | Determination of colour fastness to bleaching: Peroxide                     | ČSN EN ISO-N02   | Textiles      |
| G22                         | Determination of colour fastness to organic solvents                        | ČSN EN ISO 105-X05   | Textiles      |
| G23                         | Determination of colour fastness to hot pressing                            | ČSN EN ISO 105-X11   | Textiles      |
| G24                         | Determination of colour fastness to rubbing                                 | ČSN EN ISO 105-X12<br>MoH CR Regulation No. 84/2001 Coll., Annex No. 10<br>STN 80 0055, Part 4.9.1       | Textiles      |

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|-----------------------------|---|---|--|
| G25                         | Colour fastness to light of textiles wetted with artificial perspiration  | ČSN EN ISO 105-B07  | Textiles   |
| G26                         | Reserved  |   |  |
| G27                         | Colour fastness to water spotting on upholstery fabrics   | ČSN EN ISO 105-E16  | Household textiles                                       |
| G28                         | Determination of camouflage pattern geometry  | ČOS 108019, 1st issue,<br>Part. 6.4.  | Textiles, military uniforms, parts of military materials |
| G29                         | Determination of colour coordinates and colour difference   | SOP No. 5   | Textiles, military uniforms, parts of military materials |
| G30                         | Reserved  |   |  |
| G31                         | Car upholstery - abrasion behaviour   | PV 3906   | Textiles   |
| G32                         | Determination of colour fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporation a low temperature bleach activator           | ČSN EN ISO 105-C08  | Textiles   |
| G33                         | Determination of colour fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporation a low temperature oxidative bleach activator | ČSN EN ISO 105-C09  | Textiles   |
| G34                         | Measurement of surface colour   | ČSN EN ISO 105-J01  | Textiles, plastics and coatings                          |
| G35                         | Calculation of colour differences   | ČSN EN ISO 105-J03  | Textiles, plastics and coatings                          |
| <b>Health properties</b>    |   |   |  |
| H1                          | Determination of pH of aqueous extract  | ČSN EN ISO 3071<br>MoH CR Regulation No. 84/2001 Coll., Annex 10<br>STN 80 0055, part.4.6 | Textiles   |
| H2                          | Testing of fabric resistance to perspiration and saliva   | MoH CR Regulation No. 84/2001 Coll., Annex No. 1<br>STN 80 0055, part.4.9.4               | Textiles   |
| H3                          | Determination of certain elements Sb, Ba, Cd, Cr, Pb, Se in toys by Atomic absorption spectroscopy method   | ČSN EN 71-3   | Toys   |

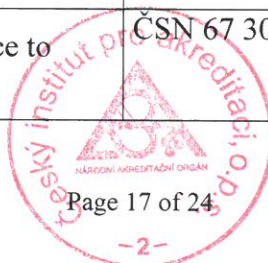


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|-----------------------------|--|--|---|
| H4                          | Determination of formaldehyde<br>- free and hydrolysed<br>formaldehyde<br>- released formaldehyde (vapour<br>absorption method)                      | MoH CR Regulation No.<br>84/2001 Coll., Annex 10, 12<br>STN 80 0055, part. 4.3<br>ČSN EN ISO 14184-1<br>ČSN EN ISO 14184-2 | Textiles  |
| H5                          | Qualitative analysis of primary<br>aromatic amines   | ČSN 62 1156<br>MoH CR Regulation No.<br>84/2001 Coll., Annex No. 8,<br>9, 10, 12   | Textiles, rubber                                  |
| H6                          | Odour test   | PV 3900<br>VDA 270   | Textiles  |
| H7                          | Determination of formaldehyde<br>emission, spectrophotometric<br>method  | PV 3925  | Textiles, polymeric<br>materials                  |
| H8                          | Determination of pH  | ČSN EN ISO 4045  | Leather   |
| H9                          | Determination of chrome (VI),<br>spectrophotometric method with<br>1,5-diphenylcarbazide   | ČSN ISO 11083<br>MoH CR Regulation No.<br>84/2001 Coll., Annex No. 10  | Extracts of textiles                              |
| H10                         | Determination of chrome, atomic<br>absorption spectrometry method  | ČSN EN 1233<br>MoH CR Regulation No.<br>84/2001 Coll., Annex No. 8,<br>9, 10<br>STN 80 0055 Part.4.4                       | Extracts of textiles                              |
| H11                         | Determination of cadmium,<br>atomic absorption spectrometry<br>method  | ČSN EN ISO 5961<br>MoH CR Regulation No.<br>84/2001 Coll., Annex No. 10  | Extracts of textiles                              |
| H12                         | Determination of microelements,<br>atomic absorption spectrometry<br>method with graphite cuvette (Ag,<br>Al, Cd, Co, Cr, Cu, Fe, Mn, Mo,<br>Ni, Pb) | ČSN EN ISO 15586<br>MoH CR Regulation No.<br>84/2001 Coll., Annex No. 10   | Extracts of textiles                              |
| H13                         | Reference test method for release<br>of nickel from products intended<br>to come into direct and prolonged<br>contact with the skin                  | ČSN EN 1811  | Textiles, metallic<br>accessories                 |
| <b>Furniture</b>            |  |  |   |
| I1                          | Assessment of the surface gloss  | ČSN EN ISO 2813<br>ČSN EN 13722  | Furniture,<br>paints and<br>varnishes             |
| I2                          | Determination of resistance to<br>temperature changes  | ČSN 67 3098  | Paints and<br>varnishes for wood<br>and furniture |

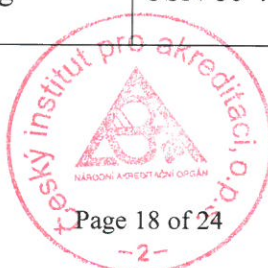


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| Ordinal number <sup>1</sup>          | Test procedure/<br>method name                                | Test procedure/<br>method identification <sup>2</sup>                              | Tested object                                 |
|--------------------------------------|---|--|---|
| I3                                   | Determination of resistance to changes of temperature         | ČSN EN 12720+A1<br>ČSN EN 12721+A1<br>ČSN EN 12722+A1                              | Furniture                                     |
| I4                                   | Determination of micro-scratch resistance                     | ČSN P CEN/TS 16611<br>ČSN EN 16094<br>ČSN EN 438-2, chap. 30                       | Furniture, floor coverings, laminates         |
| I5                                   | Assessment of the surface resistance to abrasion              | ČSN EN 15185<br>ČSN 910276   | Furniture                                     |
| I6                                   | Reserved  |  |   |
| <b>Industrial washing assessment</b> |   |  |   |
| J1                                   | Reserved  |  |   |
| J2                                   | Determination of average grade of polymerization of cellulose | ČSN 80 0601<br>DIN 54 270-3  | Textiles                                      |
| J3                                   | Determination of whiteness                                    | ČSN EN ISO 105-J02   | Textiles                                      |
| J4                                   | Determination of relative whiteness                           | DIN 53 919-2<br>PNJ 589-80-2001  | Textiles                                      |
| J5                                   | Determination of ignition residue                             | ČSN EN 60456 ed.4<br>ČSN CLC/TS 50640<br>ČSN EN 50640                              | Home and industrial washing machines          |
| <b>Dressing materials</b>            |   |  |   |
| K1                                   | Determination of water soluble substances, gravimetric        | ČSN 80 4103:2011, Part. 22<br>ČSN EN 1644-1, Annex D<br>ČSN EN 14079,<br>part 5.12 | Textiles, medical devices, bandaging material |
| K2                                   | Determination of ethanol soluble substances                   | ČSN 80 4103:2011, part 23  | Bandaging material                            |
| K3                                   | Determination of ether soluble substances, gravimetric        | ČSN 80 4103:2011, part 24<br>ČSN EN 14079, part 5.10                               | Textiles, medical devices, bandaging material |
| K4                                   | Classification of water extract                               | ČSN 80 4103:2011, part 21  | Bandaging material                            |
| K5                                   | Content of chlorides  | ČSN 80 4103:2011, part 27  | Bandaging material                            |
| K6                                   | Determination of nonpolar solvent solubles, gravimetric       | ČSN EN 1644-1, Annex G   | Bandaging material                            |
| K7                                   | Determination of free chlorine                                | ČSN 80 4103:2011, part 28  | Bandaging material                            |
| K8                                   | Determination of fluorescent substances                       | ČSN 80 4103:2011, part 29<br>ČSN EN 1644-1, Annex E<br>ČSN EN 14079, part 5.5      | Textiles, medical devices, bandaging material |
| K9                                   | Determination of reducing substances, volumetry               | ČSN 80 4103:2011, part 30  | Bandaging material                            |





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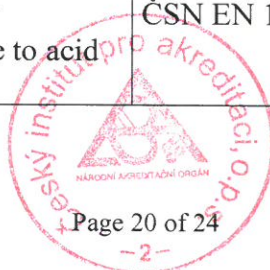
| Ordinal number <sup>1</sup> | Test procedure/<br>method name   | Test procedure/<br>method identification <sup>2</sup>                                  | Tested object                                 |
|-----------------------------|--|--|---|
| K10                         | Determination of content wet in dressing materials, gravimetric                    | ČSN 80 4103:2011, part 31<br>ČSN EN 14079, part 5.15                                   | Textiles, medical devices, bandaging material |
| K11                         | Determination of sulfate ashes, gravimetric  | ČSN 80 4103:2011, part 2,<br>ČSN EN 14079, part 5.16                                   | Textiles, medical devices, bandaging material |
| K12                         | Determination of absorption capacity (hydrophilicity), gravimetric                 | ČSN 80 4103:2011, part 33  | Bandaging material                            |
| K13                         | Determination of sink rate   | ČSN 80 4103:2011, part 34<br>ČSN EN 14079, part 5.9                                    | Textiles, medical devices, bandaging material |
| K14                         | Viscose staple fibres content, gravimetric   | ČSN 80 4103:2011, part 35  | Bandaging material                            |
| K15                         | Test of absence of amyllum in woven fabric   | ČSN 80 4103:2011 part 36<br>ČSN EN 14079, part 5.13                                    | Textiles, medical devices, bandaging material |
| K16                         | Determination of content of amyllum, volumetry                                     | ČSN 80 4103:2011, part 37  | Bandaging material                            |
| K17                         | Determination of presents of surface active agent, gravimetric                     | ČSN EN 1644-1, Annex H<br>ČSN EN 14079, part 5.11                                      | Textiles, medical devices, bandaging material |
| K18                         | Test for calcium content   | ČSN 80 4103:2011, part 26  | Bandaging material                            |
| K19                         | Determination of present of foreign fibres in absorbent gauzes                     | ČSN EN 14079, part 5.4   | Textiles, medical devices                     |
| <b>Other tests</b>          |  |  |   |
| L1                          | Methods for the quantitative analysis of binary and ternary textile fibre mixtures | Regulation (EU) No 1007/2011 of the European Parliament and of the Council, Annex VIII | Textiles                                      |
| L1a                         | method using acetone   | ČSN EN ISO 1833-3  |   |
| L1b                         | method using hypochloride  | ČSN EN ISO 1833-4  |   |
| L1c                         | method using sodium zincate  | ČSN EN ISO 1833-5  |   |

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|---|---|---|---------------|
| L1d                                     | method using formic acid and zinc chloride  | ČSN EN ISO 1833-6                                     |               |
| L1e                                     | method using formic acid  | ČSN EN ISO 1833-7                                     |               |
| L1f                                     | method using acetone  | ČSN EN ISO 1833-8                                     |               |
| L1g                                     | method using benzyl alcohol   | ČSN EN ISO 1833-9                                     |               |
| L1h                                     | method using dichloromethane  | ČSN EN ISO 1833-10                                    |               |
| L1i                                     | method using sulfuric acid  | ČSN EN ISO 1833-11                                    |               |
| L1j                                     | method using dimethylformamide  | ČSN EN ISO 1833-12                                    |               |
| L1k                                     | method using xylene   | ČSN EN ISO 1833-16                                    |               |
| L1l                                     | method using sulfuric acid  | ČSN EN ISO 1833-17                                    |               |
| L1m                                     | method using sulfuric acid  | ČSN EN ISO 1833-18                                    |               |
| L1n                                     | method by heating   | ČSN EN ISO 1833-19                                    |               |
| L1o                                     | method using cyclohexanone  | ČSN EN ISO 1833-21                                    |               |
| L1p                                     | method using formic acid and zinc chloride  | ČSN EN ISO 1833-22                                    |               |
| L2                                      | Determination of preparation content  | ČSN 80 0523   | Textiles      |
| L3                                      | Determination of the fogging characteristics of trim materials in the interior of automobiles | DIN 75 201 – procedure B<br>PV 3015                   | Textiles      |
| L4                                      | Oil repellency - Hydrocarbon resistance test  | ČSN EN ISO 14419                                      | Textiles      |
| L5                                      | High visibility clothing - background fluorescent material assessment                         | ČSN EN ISO 20471,<br>part 5.1, 5.2                    | Textiles      |
| L6                                      | Determination of resistance of materials to penetration by liquids                            | ČSN EN ISO 6530                                       | Textiles      |
| L7                                      | Detection of the use of certain azo colorants accessible without extraction using GC/M        | ČSN EN 14362-1  | Textiles      |
| <b>Degradation of textile materials</b> |   |   |               |
| M1                                      | Reserved  |   |               |
| M2                                      | Reserved  |   | Textiles      |
| M3                                      | Determination of the resistance to weathering   | ČSN EN 12224  | Geotextiles   |
| M4                                      | Screening test method for determining the resistance to oxidation                             | ČSN EN ISO 13438                                      | Geotextiles   |
| M5                                      | Screening test method for determining the resistance to acid and alkaline liquids             | ČSN EN 14030  | Geotextiles   |





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| Ordinal number <sup>1</sup> | Test procedure/<br>method name  | Test procedure/<br>method identification <sup>2</sup>  | Tested object   |
|-----------------------------|---|--|---|
| M6                          | Screening test method for determining the resistance to hydrolysis in water   | ČSN EN 12447   | Geosynthetics   |
| M7                          | Screening test method for determining chemical resistance for landfill applications   | ČSN EN 14414   | Geosynthetics   |
| M8                          | Test method for determining the resistance to leaching  | ČSN EN 14415   | Geosynthetics   |
| <b>Plastics</b>             |   |  |   |
| N1                          | Migration of constituents of plastic materials and articles intended to come into contact with foodstuffs (diluent A, B, C) gravimetric | Council Directive 82/711/EEC, Annex, Part I and II<br>MoH CR Regulation No. 38/2001 Coll., Annex 4                                 | Plastics  |
| N2                          | Plastics - Total migration  | MoH CR Regulation No. 84/2001 Coll., Annex 8, 9  | Plastics  |
| <b>Microbiology</b>         |   |  |   |
| O1                          | Evaluation of the action of microorganism   | ČSN EN ISO 846<br>method A, B, C   | Plastics  |
| O2                          | Test method for resistance to dry microbial penetration (plate method)  | ČSN EN ISO 22612   | Protective textiles and barrier materials *                           |
| O3                          | Determination of antibacterial activity - Agar diffusion plate test   | ČSN EN ISO 20645   | Textile fabrics   |
| O4                          | Determination of lint and other particles generation in the dry state using laser counter   | ČSN EN ISO 9073-10   | Textiles  |
| O5                          | Test method to determine the resistance to wet bacterial penetration (plate method)   | ČSN EN ISO 22610   | Protective textiles and barrier materials *                           |
| O6                          | Determination of population of microorganisms on products (bioburden) using plate and microscopy method                                 | SOP No. 3<br>(ČSN EN ISO 11737-1, Annex B – part B.2.2.1, B.2.2.5, B.2.2.7, B.3.1, B.3.2, B.4.2, B.4.3, B.4.4, B.5, B.6, OS 80-05) | Textiles, plastics, surfaces of objects, products, equipment, water** |
| O7                          | Antibacterial Activity of Fabrics, Assessment of Textile Materials: Parallel Streak Method (plate method)                               | AATCC Test Method 147  | Textiles  |



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| Ordinal number <sup>1</sup> | Test procedure/<br>method name  | Test procedure/<br>method identification <sup>2</sup> | Tested object   |
|-----------------------------|---|---|---|
| O8                          | Antibacterial Finishes on Textile Materials: Assessment of (plate method)   | AATCC Test Method 100                                 | Textiles, absorption materials                          |
| O9                          | Standard Test Method for Determining the Antimicrobial Activity of Antimicrobial Agents Under Dynamic Contact Conditions (plate method) | ASTM Designation: E 2149                              | Textiles, wood, inert materials***, powdered material   |
| O10                         | Determination of antibacterial activity of antibacterial finished products  | ČSN EN ISO 20743, part 10.1                           | Textiles, absorption material                           |
| O11                         | Test for Antimicrobial Activity (plate method)  | JIS Z 2801  | Inert materials ***, paints and varnishes and materials |
| O12                         | Test for Antimicrobial Activity (plate method)  | ISO 22196   | Inert materials ***, paints and varnishes and materials |
| O13                         | Laboratory method for testing the efficacy of film preservatives in a coating against fungi (plate method)                              | ČSN EN 15457  | Paints and varnishes and materials                      |
| O14                         | Evaluation of the action of microfungi (plate and microscopy method)  | ČSN EN 14119  | Textiles  |
| O15                         | Laboratory method for testing the efficacy of film preservatives in a coating against algae (plate method)                              | ČSN EN 15458  | Paints and varnishes and materials                      |
| O16                         | Fresh water algal growth inhibition test with unicellular green algae (microscopy method)   | ČSN EN ISO 8692                                       | Water-soluble substances                                |

<sup>1</sup> Asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> If the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes).





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Appendix:  
Flexible scope of accreditation

| Ordinal numbers of tests  |
|---|
| <i>A4, A6-A9, A12;<br/>B1, B2, B4-B15, B17-B24, B26-B33, B35, B36, B41, B43, B45-B49, B51-B54, B56, B59-B63, B66-B76,<br/>B78-B83;<br/>C1, C3-C15, C18-C31;<br/>D5, D6, D10, D11, D14-D28, D30, D31, D34-D39, D41-D51;<br/>E1-10, E14-E19;<br/>F1-F12;<br/>G2-G25, G27-G29, G31-G35;<br/>H1-H13;<br/>J2-J4;<br/>K1-K19;<br/>L1-L4;<br/>M3-M6;<br/>N1, N2;</i> |

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed.

The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

**Sampling:**

| Ordinal number | Sampling procedure name                        | Sampling procedure identification <sup>1</sup> | Sampled object                                      |
|----------------|--|--|---|
| 1              | Hygienic and epidemiological sample collection | OS 80-05                                       | Prints, swabs, biological indicators, service water |

<sup>1</sup> If the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes).

Explanations:

- \* barrier materials - surgical masks, gowns and clothing for clean areas used as medical devices
- \*\* process water
- \*\*\* plastics, metals, ceramics



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Abbreviations used:

AATCC – American Association of Textile Chemists and Colorists  
AFERA – Association of nonwovens manufacturers  
ASTM D – Standard of the American Society for Testing and Materials  
BS – British standard  
DIN – German standard  
CEN/TR – Technical Procedure issued by CEN  
GOST – Russian standard  
IKEA – Standards of the international manufacturer and seller of furniture  
IWS TM – Standards of the International Wool Secretariat  
IWTO – Standards of the International Wool Textile Organisation  
MITI – Japan standard  
ÖNORM – Austrian standard  
PNJ – Company standards issued within the wool industry  
PN, PNs – Company standards issued within the cotton industry  
PV, P-VW – Volkswagen test standards  
SN – Swiss standards  
SS – Swedish standards  
STN – Slovak standards  
Tefo – IKEA test methods  
TL – Technical Specifications, Germany  
TTM – DuPont technical standards  
ČOS – Czech defence standard  
SOP – Standard Operating Procedure  
GMW – General motors worldwide engineering standards (automotive standard)  
VDA – German standard (automotive standard)  
GC/MS – Gas Chromatography/Mass Spectrometry  
OS - TZÚ Industry Specifications (Technical Standardization Centre)

