



**ORDER**

**№ A 189**

**Sofia, 28.05.2024**

Pursuant to Art. 10, para 1, item 4 and Art. 28, para 1 of the Law on National Accreditation of Conformity Assessment Bodies and item 6 of BAS QR 2 Accreditation Procedure, in connection with application for re-accreditation № 09-98/P/21.09.2023, an open procedure reg. № 313/33 ЛИ/ПА/12.12.2023, assessment report reg. № 313/33 ЛИ/6/В/07.03.2024, report BAS QF 2.9.5.5 (Art. 36 LNACAB) reg. № 313/33 ЛИ/8/В/16.04.2024 and statement of the Accreditation Commission, reg. № 313/33 ЛИ/ПА/12/В/21.05. 2024, I hereby

**RE-ACCREDIT**

**Defense Institute Professor Tsvetan Lazarov**  
**Central Testing Laboratory of Logistic Properties**

**Management address:** 1592 Sofia, 2 Prof. Tsvetan Lazarov Blvd.

**Laboratory address:** 1592 Sofia, 2 Prof. Tsvetan Lazarov Blvd.

**To perform testing of:**

| <b>Type of the scope:</b> <i>flexible for a part of the scope</i> |                           |                                                        |                                                                                                                           |
|-------------------------------------------------------------------|---------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>№</b>                                                          | <b>Tested products</b>    | <b>Type of test/characteristic</b>                     | <b>Test methods<br/>(standard/<br/>validated method)</b>                                                                  |
| <b>1</b>                                                          | <b>2</b>                  | <b>3</b>                                               | <b>4</b>                                                                                                                  |
| <b>1.</b>                                                         | <b>TEXTILE</b>            |                                                        |                                                                                                                           |
| 1.1.                                                              | Yarn<br>Yarns and threads | 1.1.1. Quantitative composition *                      | OLNTP<br>Annex №5, Section II:<br>Regulation (EU) №1007/2011,<br>Annex VIII, chapter 2<br>БДС EN ISO 1833-1               |
|                                                                   |                           | - acetate / certain other fibers                       | OLNTP Method 1 (with acetone)<br>Regulation (EU) №1007/2011-<br>Method 1 (with acetone)<br>БДС EN ISO 1833-3              |
|                                                                   |                           | - certain protein fibers /<br>certain other fibers     | OLNTP Method 2 (with hypochlorite)<br>Regulation (EU) №1007/2011-<br>Method 2<br>(with hypochlorite)<br>БДС EN ISO 1833-4 |
|                                                                   |                           | - viscose, cupro or certain<br>types of modal / cotton | OLNTP Method 3 (with formic acid and zinc chloride)<br>Regulation (EU) №1007/2011-<br>Method 3                            |

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| <b>1</b>                                                          | <b>2</b>               | <b>3</b>                                                                     | <b>4</b>                                                                                                                         |
|                                                                   |                        |                                                                              | (with formic acid and zinc chloride)<br>БДC EN ISO 1833-6                                                                        |
|                                                                   |                        | - polyamide, nylon / certain other fibers                                    | OLNTP Method 4 (with formic acid)<br>Regulation (EU)<br>№1007/2011-Method 4 (with formic acid)<br>БДC EN ISO 1833-7              |
|                                                                   |                        | - acetate / certain other fibers                                             | OLNTP Method 5 (with benzyl alcohol)<br>Regulation (EU) №1007/2011-Method 5<br>(with benzyl alcohol)<br>БДC EN ISO 1833-9        |
|                                                                   |                        | - triacetate / certain other fibers                                          | OLNTP Method 6 (with dichloromethane)<br>Regulation (EU)<br>№1007/2011-Method 6 (with dichloromethane)<br>БДC EN ISO 1833-10     |
|                                                                   |                        | - certain cellulose fibers / certain other fibers                            | OLNTP Method 7 (with sulphuric acid)<br>Regulation (EU)<br>№1007/2011-Method 7 (with sulphuric acid)<br>БДC EN ISO 1833-11       |
|                                                                   |                        | - acrylics, certain modacrylics, certain chlorofibres / certain other fibers | OLNTP Method 8 (with dimethylformamide)<br>Regulation (EU) №1007/2011-Method 8<br>(with dimethylformamide)<br>БДC EN ISO 1833-12 |
|                                                                   |                        | - acetate / certain other fibers                                             | OLNTP Method 10 (with acetic acid)<br>Regulation (EU)<br>№1007/2011-Method 10<br>(with acetic acid)<br>БДC EN ISO 1833-14        |
|                                                                   |                        | - silk / certain other fibers                                                | OLNTP Method 11 (with sulphuric acid)<br>Regulation (EU) №1007/2011-Method 11 (with sulphuric acid)<br>БДC EN ISO 1833-18        |
|                                                                   |                        | - polypropylene fibers /certain other fibers                                 | OLNTP Method 13 (with xylo)l<br>Regulation (EU)<br>№1007/2011-Method 13<br>(with xylo)l<br>БДC EN ISO 1833-16                    |
|                                                                   |                        | - chlorofibers / certain other fibers                                        | OLNTP Method 14 (with concentrated sulphuric acid)                                                                               |

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|------------------------------------------------------------|-----------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nº                                                         | Tested products | Type of test/characteristic                         | Test methods<br>(standard/<br>validated method)                                                                                                                         |
| 1                                                          | 2               | 3                                                   | 4                                                                                                                                                                       |
|                                                            |                 |                                                     | Regulation (EU)<br>№1007/2011-Method 14<br>(with concentrated sulphuric acid)<br>БДC EN ISO 1833-17                                                                     |
|                                                            |                 | - three-component fibre mixtures                    | OLNTP Annex №6: Methods based on Annex №5, Section II<br>Regulation (EU) №1007/2011, Annex VIII, chapter 3, Methods based on Annex VIII, chapter 2<br>БДC EN ISO 1833-2 |
|                                                            |                 | 1.1.2 Linear density                                | БДC EN ISO 2060                                                                                                                                                         |
|                                                            |                 | 1.1.3 Breaking force                                | БДC EN ISO 2062                                                                                                                                                         |
|                                                            |                 | 1.1.4 Elongation at break                           | БДC EN ISO 2062                                                                                                                                                         |
|                                                            |                 | 1.1.5 Color fastness to laundering                  | БДC EN ISO 105-C06<br>БДC EN 20105-A02                                                                                                                                  |
|                                                            |                 | 1.1.6 Color fastness to rubbing:<br>- dry<br>- wet  | БДC EN ISO 105-X12<br>БДC EN 20105-A02                                                                                                                                  |
|                                                            |                 | 1.1.7 Color fastness to water                       | БДC EN ISO 105-E01<br>БДC EN 20105-A02                                                                                                                                  |
|                                                            |                 | 1.1.8 Color fastness to dry cleaning                | БДC EN ISO 105-D01<br>БДC EN 20105-A02                                                                                                                                  |
|                                                            |                 |                                                     |                                                                                                                                                                         |
| 1.2.                                                       | Fabrics         | 1.2.1. Quantitative composition *                   | OLNTP<br>Annex №5, Section II:<br>Regulation (EU) №1007/2011, Annex VIII, chapter 2<br>БДC EN ISO 1833-1                                                                |
|                                                            |                 | - acetate / certain other fibers                    | OLNTP Method 1 (with acetone)<br>Regulation (EU) №1007/2011-Method 1 (with acetone)<br>БДC EN ISO 1833-3                                                                |
|                                                            |                 | - certain protein fibers / certain other fibers     | OLNTP Method 2 (with hypochlorite)<br>Regulation (EU) №1007/2011-Method 2 (with hypochlorite)<br>БДC EN ISO 1833-4                                                      |
|                                                            |                 | - viscose, cupro or certain types of modal / cotton | OLNTP Method 3 (with formic acid and zinc chloride)<br>Regulation (EU) №1007/2011-Method 3 (with formic acid and zinc chloride)<br>БДC EN ISO 1833-6                    |

| <b>Type of the scope:</b> <i>flexible for a part of the scope</i> |                        |                                                                              |                                                                                                                                |
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| <b>Nº</b>                                                         | <b>Tested products</b> | <b>Type of test/characteristic</b>                                           | <b>Test methods<br/>(standard/<br/>validated method)</b>                                                                       |
| <b>1</b>                                                          | <b>2</b>               | <b>3</b>                                                                     | <b>4</b>                                                                                                                       |
|                                                                   |                        | - polyamide, nylon / certain other fibers                                    | OLNTP Method 4 (with formic acid)<br>Regulation (EU) Nº1007/2011-Method 4 (with formic acid)<br>БДC EN ISO 1833-7              |
|                                                                   |                        | - acetate / certain other fibers                                             | OLNTP Method 5 (with benzyl alcohol)<br>Regulation (EU) Nº1007/2011-Method 5 (with benzyl alcohol)<br>БДC EN ISO 1833-9        |
|                                                                   |                        | - triacetate / certain other fibers                                          | OLNTP Method 6 (with dichloromethane)<br>Regulation (EU) Nº1007/2011-Method 6 (with dichloromethane)<br>БДC EN ISO 1833-10     |
|                                                                   |                        | - certain cellulose fibers / certain other fibers                            | OLNTP Method 7 (with sulphuric acid)<br>Regulation (EU) Nº1007/2011-Method 7 (with sulphuric acid)<br>БДC EN ISO 1833-11       |
|                                                                   |                        | - acrylics, certain modacrylics, certain chlorofibres / certain other fibers | OLNTP Method 8 (with dimethylformamide)<br>Regulation (EU) Nº1007/2011-Method 8 (with dimethylformamide)<br>БДC EN ISO 1833-12 |
|                                                                   |                        | - acetate / certain other fibers                                             | OLNTP Method 10 (with acetic acid)<br>Regulation (EU) Nº1007/2011-Method 10 (with acetic acid)<br>БДC EN ISO 1833-14           |
|                                                                   |                        | - silk / certain other fibers                                                | OLNTP Method 11 (with sulphuric acid)<br>Regulation (EU) Nº1007/2011-Method 11 (with sulphuric acid)<br>БДC EN ISO 1833-18     |
|                                                                   |                        | - polypropylene fibers /certain other fibers                                 | OLNTP Method 13 (with xylol)<br>Regulation (EU) Nº1007/2011-Method 13 (with xylol)<br>БДC EN ISO 1833-16                       |
|                                                                   |                        | - chlorofibers / certain other fibers                                        | OLNTP Method 14 (with concentrated sulphuric acid)<br>Regulation (EU) Nº1007/2011-Method 14                                    |

**Type of the scope:** *flexible for a part of the scope*

| <b>№</b> | <b>Tested products</b> | <b>Type of test/characteristic</b>                                                                                | <b>Test methods<br/>(standard/<br/>validated method)</b>                                                                                                                |
|----------|------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b> | <b>2</b>               | <b>3</b>                                                                                                          | <b>4</b>                                                                                                                                                                |
|          |                        |                                                                                                                   | (with concentrated sulphuric acid)<br>БДС EN ISO 1833-17                                                                                                                |
|          |                        | - three-component fibre mixtures                                                                                  | OLNTP Annex №6: Methods based on Annex №5, Section II<br>Regulation (EU) №1007/2011, Annex VIII, chapter 3, Methods based on Annex VIII, chapter 2<br>БДС EN ISO 1833-2 |
|          |                        | 1.2.2 Width and length                                                                                            | БДС EN 1773                                                                                                                                                             |
|          |                        | 1.2.3 Number of threads per unit length<br>- warp<br>- weft                                                       | БДС EN 1049-2                                                                                                                                                           |
|          |                        | 1.2.4 Maximum force<br>- warp<br>- weft                                                                           | БДС EN ISO 13934-1                                                                                                                                                      |
|          |                        | 1.2.5 Elongation at maximum force<br>- warp<br>- weft                                                             | БДС EN ISO 13934-1                                                                                                                                                      |
|          |                        | 1.2.6 Tear force of test specimens<br>- warp<br>- weft                                                            | БДС EN ISO 13937-2<br>БДС EN ISO 13937-4                                                                                                                                |
|          |                        | 1.2.7 Dimensional change induced by water immersion and drying:<br>- warp<br>- weft                               | БДС EN ISO 3759<br>БДС ISO 7771                                                                                                                                         |
|          |                        | 1.2.8 Dimensional change induced by laundering and drying:<br>- warp<br>- weft                                    | БДС EN ISO 3759<br>БДС EN ISO 5077<br>БДС EN ISO 6330                                                                                                                   |
|          |                        | 1.2.9 Abrasion resistance<br><br>- specimen breakdown<br><br>- mass loss<br><br>- assessment of appearance change | БДС EN ISO 12947-1<br>БДС EN ISO 12947-1/AC<br><br>БДС EN ISO 12947-2<br><br>БДС EN ISO 12947-3<br>БДС EN ISO 12947-3/AC<br><br>БДС EN ISO 12947-4                      |
|          |                        | 1.2.10 Propensity to surface pilling                                                                              | БДС EN ISO 12945-2                                                                                                                                                      |
|          |                        | 1.2.11 Mass per unit of area                                                                                      | БДС EN 12127                                                                                                                                                            |
|          |                        | 1.2.12 Weave                                                                                                      | БДС 12674                                                                                                                                                               |

| Type of the scope: flexible for a part of the scope |                 |                                                                                                          |                                                                                                                           |
|-----------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| №                                                   | Tested products | Type of test/characteristic                                                                              | Test methods<br>(standard/<br>validated method)                                                                           |
| 1                                                   | 2               | 3                                                                                                        | 4                                                                                                                         |
|                                                     |                 | 1.2.13 pH of aqueous extract                                                                             | БДС EN ISO 3071                                                                                                           |
|                                                     |                 | 1.2.14 Formaldehyde content                                                                              | БДС EN ISO 14184-1                                                                                                        |
|                                                     |                 | 1.2.15 Color fastness to laundering                                                                      | БДС EN ISO 105-C06<br>БДС EN 20105-A02                                                                                    |
|                                                     |                 | 1.2.16 Color fastness to rubbing:<br>- dry<br>- wet                                                      | БДС EN ISO 105-X12<br>БДС EN 20105-A02                                                                                    |
|                                                     |                 | 1.2.17 Color fastness to dry cleaning                                                                    | БДС EN ISO 105-D01<br>БДС EN 20105-A02                                                                                    |
|                                                     |                 | 1.2.18 Color fastness to water                                                                           | БДС EN ISO 105-E01<br>БДС EN 20105-A02                                                                                    |
|                                                     |                 | 1.2.19 Color fastness to sea water                                                                       | БДС EN ISO 105-E02<br>БДС EN 20105-A02                                                                                    |
|                                                     |                 | 1.2.20 Color fastness to perspiration:<br>- acidic<br>- alkaline                                         | БДС EN ISO 105-E04<br>БДС EN 20105-A02                                                                                    |
|                                                     |                 | 1.2.21 Color fastness to spotting: Acid                                                                  | БДС EN ISO 105-E05<br>БДС EN 20105-A02                                                                                    |
|                                                     |                 | 1.2.22 Color fastness to spotting: Alkali                                                                | БДС EN ISO 105-E06<br>БДС EN 20105-A02                                                                                    |
|                                                     |                 | 1.2.23 Color fastness to hot pressing                                                                    | БДС EN ISO 105-X11<br>БДС EN 20105-A02                                                                                    |
|                                                     |                 | 1.2.24 Resistance to water penetration                                                                   | БДС EN ISO 811                                                                                                            |
|                                                     |                 | 1.2.25 Resistance to surface wetting of fabrics                                                          | БДС EN ISO 4920                                                                                                           |
|                                                     |                 | 1.2.26 Hygroscopicity /moisture absorption/                                                              | БДС 12006                                                                                                                 |
|                                                     |                 | 1.2.27 Capillarity                                                                                       | БДС 10298                                                                                                                 |
|                                                     |                 | 1.2.28. Angle of recovery from creasing<br>- warp-front/front; back/back-<br>weft-front/front; back/back | БДС EN ISO 2313-1                                                                                                         |
| 1.3.                                                | Nonwovens       | 1.3.1. Quantitative composition *                                                                        | OLNTP<br>Annex №5, Section II:<br>Regulation (EU) №1007/2011,<br>Annex VIII, chapter 2<br>БДС EN ISO 1833-1               |
|                                                     |                 | - acetate / certain other fibers                                                                         | OLNTP Method 1 (with acetone)<br>Regulation (EU) №1007/2011-<br>Method 1 (with acetone)<br>БДС EN ISO 1833-3              |
|                                                     |                 | - certain protein fibers /<br>certain other fibers                                                       | OLNTP Method 2 (with hypochlorite)<br>Regulation (EU) №1007/2011-<br>Method 2<br>(with hypochlorite)<br>БДС EN ISO 1833-4 |

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| <b>1</b>                                                          | <b>2</b>               | <b>3</b>                                                                     | <b>4</b>                                                                                                                                                 |
|                                                                   |                        | - viscose, cupro or certain types of modal / cotton                          | OLNTP Method 3 (with formic acid and zinc chloride)<br>Regulation (EU) Nº1007/2011-Method 3<br>(with formic acid and zinc chloride)<br>БДC EN ISO 1833-6 |
|                                                                   |                        | - polyamide, nylon / certain other fibers                                    | OLNTP Method 4 (with formic acid)<br>Regulation (EU) Nº1007/2011-Method 4 (with formic acid)<br>БДC EN ISO 1833-7                                        |
|                                                                   |                        | - acetate / certain other fibers                                             | OLNTP Method 5 (with benzyl alcohol)<br>Regulation (EU) Nº1007/2011-Method 5<br>(with benzyl alcohol)<br>БДC EN ISO 1833-9                               |
|                                                                   |                        | - triacetate / certain other fibers                                          | OLNTP Method 6 (with dichloromethane)<br>Regulation (EU) Nº1007/2011-Method 6 (with dichloromethane)<br>БДC EN ISO 1833-10                               |
|                                                                   |                        | - certain cellulose fibers / certain other fibers                            | OLNTP Method 7 (with sulphuric acid)<br>Regulation (EU) Nº1007/2011-Method 7 (with sulphuric acid)<br>БДC EN ISO 1833-11                                 |
|                                                                   |                        | - acrylics, certain modacrylics, certain chlorofibres / certain other fibers | OLNTP Method 8 (with dimethylformamide)<br>Regulation (EU) Nº1007/2011-Method 8<br>(with dimethylformamide)<br>БДC EN ISO 1833-12                        |
|                                                                   |                        | - acetate / certain other fibers                                             | OLNTP Method 10 (with acetic acid)<br>Regulation (EU) Nº1007/2011-Method 10<br>(with acetic acid)<br>БДC EN ISO 1833-14                                  |
|                                                                   |                        | - silk / certain other fibers                                                | OLNTP Method 11 (with sulphuric acid)<br>Regulation (EU) Nº1007/2011-Method 11 (with sulphuric acid)<br>БДC EN ISO 1833-18                               |
|                                                                   |                        | - polypropylene fibers /certain other fibers                                 | OLNTP Method 13 (with xylol)                                                                                                                             |

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| <b>1</b>                                                          | <b>2</b>               | <b>3</b>                                            | <b>4</b>                                                                                                                                                                |
|                                                                   |                        |                                                     | Regulation (EU)<br>№1007/2011-Method 13<br>(with xylol)<br>БДC EN ISO 1833-16                                                                                           |
|                                                                   |                        | - chlorofibers / certain other fibers               | OLNTP Method 14 (with concentrated sulphuric acid)<br>Regulation (EU)<br>№1007/2011-Method 14<br>(with concentrated sulphuric acid)<br>БДC EN ISO 1833-17               |
|                                                                   |                        | - three-component fibre mixtures                    | OLNTP Annex №6: Methods based on Annex №5, Section II<br>Regulation (EU) №1007/2011, Annex VIII, chapter 3, Methods based on Annex VIII, chapter 2<br>БДC EN ISO 1833-2 |
|                                                                   |                        | 1.3.2 Mass per unit of area                         | БДC EN ISO 9073-1                                                                                                                                                       |
|                                                                   |                        | 1.3.3 pH of aqueous extract                         | БДC EN ISO 3071                                                                                                                                                         |
|                                                                   |                        | 1.3.4 Formaldehyde content                          | БДC EN ISO 14184-1                                                                                                                                                      |
|                                                                   |                        |                                                     |                                                                                                                                                                         |
| 1.4.                                                              | Knitted fabrics        | 1.4.1. Quantitative composition *                   | OLNTP<br>Annex №5, Section II:<br>Regulation (EU) №1007/2011, Annex VIII, chapter 2<br>БДC EN ISO 1833-1                                                                |
|                                                                   |                        | - acetate / certain other fibers                    | OLNTP Method 1 (with acetone)<br>Regulation (EU) №1007/2011-Method 1 (with acetone)<br>БДC EN ISO 1833-3                                                                |
|                                                                   |                        | - certain protein fibers / certain other fibers     | OLNTP Method 2 (with hypochlorite)<br>Regulation (EU) №1007/2011-Method 2<br>(with hypochlorite)<br>БДC EN ISO 1833-4                                                   |
|                                                                   |                        | - viscose, cupro or certain types of modal / cotton | OLNTP Method 3 (with formic acid and zinc chloride)<br>Regulation (EU) №1007/2011-Method 3<br>(with formic acid and zinc chloride)<br>БДC EN ISO 1833-6                 |
|                                                                   |                        | - polyamide, nylon / certain other fibers           | OLNTP Method 4 (with formic acid)<br>Regulation (EU)<br>№1007/2011-Method 4 (with formic acid)<br>БДC EN ISO 1833-7                                                     |



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| <b>1</b>                                                          | <b>2</b>               | <b>3</b>                                                                     | <b>4</b>                                                                                                                                                |
|                                                                   |                        | - acetate / certain other fibers                                             | OLNTP Method 5 (with benzyl alcohol)<br>Regulation (EU) Nº1007/2011-Method 5<br>(with benzyl alcohol)<br>БДС EN ISO 1833-9                              |
|                                                                   |                        | - triacetate / certain other fibers                                          | OLNTP Method 6 (with dichloromethane)<br>Regulation (EU) Nº1007/2011-Method 6 (with dichloromethane)<br>БДС EN ISO 1833-10                              |
|                                                                   |                        | - certain cellulose fibers / certain other fibers                            | OLNTP Method 7 (with sulphuric acid)<br>Regulation (EU) Nº1007/2011-Method 7 (with sulphuric acid)<br>БДС EN ISO 1833-11                                |
|                                                                   |                        | - acrylics, certain modacrylics, certain chlorofibres / certain other fibers | OLNTP Method 8 (with dimethylformamide)<br>Regulation (EU) Nº1007/2011-Method 8<br>(with dimethylformamide)<br>БДС EN ISO 1833-12                       |
|                                                                   |                        | - acetate / certain other fibers                                             | OLNTP Method 10 (with acetic acid)<br>Regulation (EU) Nº1007/2011-Method 10<br>(with acetic acid)<br>БДС EN ISO 1833-14                                 |
|                                                                   |                        | - silk / certain other fibers                                                | OLNTP Method 11 (with sulphuric acid)<br>Regulation (EU) Nº1007/2011-Method 11 (with sulphuric acid)<br>БДС EN ISO 1833-18                              |
|                                                                   |                        | - polypropylene fibers /certain other fibers                                 | OLNTP Method 13 (with xylol)<br>Regulation (EU) Nº1007/2011-Method 13<br>(with xylol)<br>БДС EN ISO 1833-16                                             |
|                                                                   |                        | - chlorofibers / certain other fibers                                        | OLNTP Method 14 (with concentrated sulphuric acid)<br>Regulation (EU) Nº1007/2011-Method 14<br>(with concentrated sulphuric acid)<br>БДС EN ISO 1833-17 |
|                                                                   |                        | - three-component fibre mixtures                                             | OLNTP Annex Nº6: Methods based on Annex Nº5, Section II                                                                                                 |

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| <b>№</b> | <b>Tested products</b> | <b>Type of test/characteristic</b>                                                                                   | <b>Test methods<br/>(standard/<br/>validated method)</b>                                                                                       |
|----------|------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b> | <b>2</b>               | <b>3</b>                                                                                                             | <b>4</b>                                                                                                                                       |
|          |                        |                                                                                                                      | Regulation (EU) №1007/2011,<br>Annex VIII, chapter 3,<br>Methods based on Annex VIII,<br>chapter 2<br>БДС EN ISO 1833-2                        |
|          |                        | 1.4.2 Mass per unit of area                                                                                          | БДС EN 12127                                                                                                                                   |
|          |                        | 1.4.3 Pellet piercing strength                                                                                       | БДС 9585                                                                                                                                       |
|          |                        | 1.4.4 Dimensional change<br>induced by water immersion<br>and drying:<br>- wales<br>- courses                        | БДС EN ISO 3759<br>БДС ISO 7771                                                                                                                |
|          |                        | 1.4.5 Dimensional change<br>induced by laundering and<br>drying:<br>- wales<br>- courses                             | БДС EN ISO 3759<br>БДС EN ISO 5077<br>БДС EN ISO 6330                                                                                          |
|          |                        | 1.4.6 Abrasion resistance<br><br>- specimen breakdown<br><br>- mass loss<br><br>- assessment of appearance<br>change | БДС EN ISO 12947-1<br>БДС EN ISO 12947-1/AC<br>БДС EN ISO 12947-2<br><br>БДС EN ISO 12947-3<br>БДС EN ISO 12947-3/AC<br><br>БДС EN ISO 12947-4 |
|          |                        | 1.4.7 Propensity to surface<br>pilling                                                                               | БДС EN ISO 12945-2                                                                                                                             |
|          |                        | 1.4.8 pH of aqueous extract                                                                                          | БДС EN ISO 3071                                                                                                                                |
|          |                        | 1.4.9 Formaldehyde content                                                                                           | БДС EN ISO 14184-1                                                                                                                             |
|          |                        | 1.4.10 Number of stitches per<br>unit of length and unit area<br>- wales<br>- courses                                | БДС EN 14971                                                                                                                                   |
|          |                        | 1.4.11 Color fastness to<br>laundering                                                                               | БДС EN ISO 105-C06<br>БДС EN 20105-A02                                                                                                         |
|          |                        | 1.4.12 Color fastness to<br>rubbing:<br>- dry<br>- wet                                                               | БДС EN ISO 105-X12<br>БДС EN 20105-A02                                                                                                         |
|          |                        | 1.4.13 Color fastness to dry<br>cleaning                                                                             | БДС EN ISO 105-D01<br>БДС EN 20105-A02                                                                                                         |
|          |                        | 1.4.14 Color fastness to water                                                                                       | БДС EN ISO 105-E01<br>БДС EN 20105-A02                                                                                                         |
|          |                        | 1.4.15 Color fastness to sea<br>water                                                                                | БДС EN ISO 105-E02<br>БДС EN 20105-A02                                                                                                         |
|          |                        | 1.4.16 Color fastness to<br>perspiration:<br>- acidic<br>- alkaline                                                  | БДС EN ISO 105-E04<br>БДС EN 20105-A02                                                                                                         |

| <b>Type of the scope:</b> <i>flexible for a part of the scope</i> |                        |                                                                           |                                                                                                                                                             |
|-------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>№</b>                                                          | <b>Tested products</b> | <b>Type of test/characteristic</b>                                        | <b>Test methods<br/>(standard/<br/>validated method)</b>                                                                                                    |
| <b>1</b>                                                          | <b>2</b>               | <b>3</b>                                                                  | <b>4</b>                                                                                                                                                    |
|                                                                   |                        | 1.4.17 Color fastness to hot pressing                                     | БДС EN ISO 105-X11<br>БДС EN 20105-A02                                                                                                                      |
| 1.5.                                                              | Finished products      |                                                                           |                                                                                                                                                             |
| 1.5.1.                                                            | Knitted products       | 1.5.1.1 Size designation                                                  | БДС 15409<br>БДС 13639                                                                                                                                      |
|                                                                   |                        | 1.5.1.2 Maximum force to seam rupture (seam strength)                     | БДС 13307                                                                                                                                                   |
|                                                                   |                        | 1.5.1.3 Mass of a pair of sock articles                                   | БДС 5512 cl. 2. 1.                                                                                                                                          |
| 1.5.2.                                                            | Sewing products        | 1.5.2.1 Size designation                                                  | БДС EN ISO 8559-1<br>БДС EN ISO 8559-2<br>БДС EN 13402-3<br>БДС EN 14                                                                                       |
|                                                                   |                        | 1.5.2.2 Maximum force to seam rupture (seam strength)                     | БДС EN ISO 13935-1                                                                                                                                          |
|                                                                   |                        | 1.5.2.3 Maximum force to peeling of backing details (unsticking strength) | БДС 12469                                                                                                                                                   |
| 1.5.3.                                                            | Passementerie          | 1.5.3.1. Quantitative composition *                                       | OLNTP<br>Annex №5, Section II:<br>Regulation (EU) №1007/2011,<br>Annex VIII, chapter 2<br>БДС EN ISO 1833-1                                                 |
|                                                                   |                        | - acetate / certain other fibers                                          | OLNTP Method 1 (with acetone)<br>Regulation (EU) №1007/2011-<br>Method 1 (with acetone)<br>БДС EN ISO 1833-3                                                |
|                                                                   |                        | - certain protein fibers / certain other fibers                           | OLNTP Method 2 (with hypochlorite)<br>Regulation (EU) №1007/2011-<br>Method 2<br>(with hypochlorite)<br>БДС EN ISO 1833-4                                   |
|                                                                   |                        | - viscose, cupro or certain types of modal / cotton                       | OLNTP Method 3 (with formic acid and zinc chloride)<br>Regulation (EU) №1007/2011-<br>Method 3<br>(with formic acid and zinc chloride)<br>БДС EN ISO 1833-6 |
|                                                                   |                        | - polyamide, nylon / certain other fibers                                 | OLNTP Method 4 (with formic acid)<br>Regulation (EU)<br>№1007/2011-Method 4 (with formic acid)<br>БДС EN ISO 1833-7                                         |
|                                                                   |                        | - acetate / certain other fibers                                          | OLNTP Method 5 (with benzyl alcohol)                                                                                                                        |

| <b>Type of the scope:</b> <i>flexible for a part of the scope</i> |                        |                                                                                    |                                                                                                                                                                  |
|-------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Nº</b>                                                         | <b>Tested products</b> | <b>Type of test/characteristic</b>                                                 | <b>Test methods<br/>(standard/<br/>validated method)</b>                                                                                                         |
| <b>1</b>                                                          | <b>2</b>               | <b>3</b>                                                                           | <b>4</b>                                                                                                                                                         |
|                                                                   |                        |                                                                                    | Regulation (EU) Nº1007/2011-<br>Method 5<br>(with benzyl alcohol)<br>БДC EN ISO 1833-9                                                                           |
|                                                                   |                        | - triacetate / certain other<br>fibers                                             | OLNTP Method 6 (with<br>dichloromethane)<br>Regulation (EU)<br>Nº1007/2011-Method 6 (with<br>dichloromethane)<br>БДC EN ISO 1833-10                              |
|                                                                   |                        | - certain cellulose fibers /<br>certain other fibers                               | OLNTP Method 7 (with<br>sulphuric acid)<br>Regulation (EU)<br>Nº1007/2011-Method 7 (with<br>sulphuric acid)<br>БДC EN ISO 1833-11                                |
|                                                                   |                        | - acrylics, certain modacrylics,<br>certain chlorofibres / certain<br>other fibers | OLNTP Method 8 (with<br>dimethylformamide)<br>Regulation (EU) Nº1007/2011-<br>Method 8<br>(with dimethylformamide)<br>БДC EN ISO 1833-12                         |
|                                                                   |                        | - acetate / certain other fibers                                                   | OLNTP Method 10 (with acetic<br>acid)<br>Regulation (EU)<br>Nº1007/2011-Method 10<br>(with acetic acid)<br>БДC EN ISO 1833-14                                    |
|                                                                   |                        | - silk / certain other fibers                                                      | OLNTP Method 11 (with<br>sulphuric acid)<br>Regulation (EU) Nº1007/2011-<br>Method 11 (with sulphuric<br>acid)<br>БДC EN ISO 1833-18                             |
|                                                                   |                        | - polypropylene fibers /certain<br>other fibers                                    | OLNTP Method 13 (with xylol)<br>Regulation (EU)<br>Nº1007/2011-Method 13<br>(with xylol)<br>БДC EN ISO 1833-16                                                   |
|                                                                   |                        | - chlorofibers / certain other<br>fibers                                           | OLNTP Method 14 (with<br>concentrated sulphuric acid)<br>Regulation (EU)<br>Nº1007/2011-Method 14<br>(with concentrated sulphuric<br>acid)<br>БДC EN ISO 1833-17 |
|                                                                   |                        | - three-component fibre<br>mixtures                                                | OLNTP Annex Nº6: Methods<br>based on Annex Nº5, Section<br>II<br>Regulation (EU) Nº1007/2011,                                                                    |

| Type of the scope: flexible for a part of the scope |                                                                                                          |                                                                                                                          |                                                                                          |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Nº                                                  | Tested products                                                                                          | Type of test/characteristic                                                                                              | Test methods<br>(standard/<br>validated method)                                          |
| 1                                                   | 2                                                                                                        | 3                                                                                                                        | 4                                                                                        |
|                                                     |                                                                                                          |                                                                                                                          | Annex VIII, chapter 3,<br>Methods based on Annex VIII,<br>chapter 2<br>БДС EN ISO 1833-2 |
|                                                     |                                                                                                          | 1.5.3.2 Width and length                                                                                                 | БДС EN 1773                                                                              |
|                                                     |                                                                                                          | 1.5.3.3 Strength and elongation<br>at break                                                                              | БДС 12315                                                                                |
|                                                     |                                                                                                          | 1.5.3.4 Diameter                                                                                                         | БДС 12315                                                                                |
|                                                     |                                                                                                          | 1.5.3.5 Linear mass                                                                                                      | БДС 12315                                                                                |
|                                                     |                                                                                                          | 1.5.3.6 Color fastness to<br>laundering                                                                                  | БДС EN ISO 105-C06<br>БДС EN 20105-A02                                                   |
|                                                     |                                                                                                          | 1.5.3.7 Color fastness to<br>rubbing:<br>- dry<br>- wet                                                                  | БДС EN ISO 105-X12<br>БДС EN 20105-A02                                                   |
|                                                     |                                                                                                          | 1.5.3.8 Color fastness to dry<br>cleaning                                                                                | БДС EN ISO 105-D01<br>БДС EN 20105-A02                                                   |
|                                                     |                                                                                                          | 1.5.3.9 Color fastness to water                                                                                          | БДС EN ISO 105-E01<br>БДС EN 20105-A02                                                   |
|                                                     |                                                                                                          | 1.5.3.10 Color fastness to<br>perspiration:<br>- acidic<br>- alkaline                                                    | БДС EN ISO 105 E04<br>БДС EN 20105 A02                                                   |
| 1.6.                                                | COLOR                                                                                                    |                                                                                                                          |                                                                                          |
| 1.6.1                                               | Textile materials<br>(fabrics,<br>nonwovens,<br>knitted fabrics,<br>finished products,<br>passementerie) | 1.6.1.1. Spectral coefficient of<br>reflection, $R$<br>(from 250 nm to 2000 nm)                                          | DIN 5036-3                                                                               |
|                                                     |                                                                                                          | 1.6.1.2. Color coordinates<br>( $L^*$ , $a^*$ , $b^*$ , $C_{AB}^*$ , $h_{AB}$ ; $X$ , $Y$ , $Z$ ;<br>$x$ , $y$ )         | БДС EN ISO 105-J01                                                                       |
|                                                     |                                                                                                          | 1.6.1.3. CIELAB values, $L^*$ ,<br>$a^*$ , $b^*$ , $C_{ab}^*$ , $h_{ab}$                                                 | БДС EN ISO 105-J03 cl.3.1                                                                |
|                                                     |                                                                                                          | 1.6.1.4. Values of $\Delta L^*$ , $\Delta a^*$ ,<br>$\Delta b^*$ , $\Delta C_{ab}^*$ , $\Delta H_{ab}$ , $\Delta E_{ab}$ | БДС EN ISO 105-J03 cl.3.2                                                                |
|                                                     |                                                                                                          | 1.6.1.5 Color fastness for<br>artificial light: Xenon arc lamp                                                           | БДС EN ISO 105-B02<br>БДС EN ISO 105-B04<br>БДС EN 20105-A02                             |
| 1.7                                                 | Textile materials                                                                                        | 1.7.1 Permeability to air                                                                                                | БДС EN ISO 9237                                                                          |
| 2.                                                  | LEATHER                                                                                                  |                                                                                                                          |                                                                                          |
| 2.1                                                 | Flexible leather                                                                                         | 2.1.1 Moisture                                                                                                           | БДС EN ISO 4684                                                                          |
|                                                     |                                                                                                          | 2.1.2 Substances extractable<br>with organic solvents                                                                    | БДС EN ISO 4048<br>Method cl.8.2                                                         |
|                                                     |                                                                                                          | 2.1.3 pH of aqueous extract                                                                                              | БДС EN ISO 4045                                                                          |
|                                                     |                                                                                                          | 2.1.4 Chromium(VI) content                                                                                               | БДС EN ISO 17075-1                                                                       |
|                                                     |                                                                                                          | 2.1.5 Water vapor<br>permeability                                                                                        | БДС 6783 cl.8<br>БДС EN ISO 20344 cl. 6.6<br>БДС EN ISO 20344/A1<br>БДС EN ISO 14268     |
|                                                     |                                                                                                          | 2.1.6 Coefficient of water<br>vapor permeability                                                                         | БДС EN ISO 20344 pt 6.8<br>БДС EN ISO 20344/A1                                           |

**Type of the scope:** *flexible for a part of the scope*

| <b>№</b> | <b>Tested products</b>                                                  | <b>Type of test/characteristic</b>                                                                                             | <b>Test methods<br/>(standard/<br/>validated method)</b>                                                          |
|----------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>1</b> | <b>2</b>                                                                | <b>3</b>                                                                                                                       | <b>4</b>                                                                                                          |
|          |                                                                         | 2.1.7 Absorption of water vapor                                                                                                | БДС EN ISO 20344 pt 6.7<br>БДС EN ISO 20344/A1                                                                    |
|          |                                                                         | 2.1.8 Resistance to damage on lasting:<br>- cracking of the front layer<br>- tearing point                                     | БДС EN ISO 17693                                                                                                  |
|          |                                                                         | 2.1.9 Thickness                                                                                                                | БДС EN ISO 2589                                                                                                   |
|          |                                                                         | 2.1.10 Elongation at a specified load                                                                                          | БДС EN ISO 3376                                                                                                   |
|          |                                                                         | 2.1.11 Tensile strength                                                                                                        | БДС EN ISO 3376                                                                                                   |
|          |                                                                         | 2.1.12 Elongation at break                                                                                                     | БДС EN ISO 3376                                                                                                   |
|          |                                                                         | 2.1.13 Tear load                                                                                                               | БДС EN ISO 3377-1<br>БДС EN ISO 3377-2<br>БДС EN ISO 1769                                                         |
|          |                                                                         | 2.1.14 Maximum force to seam rupture                                                                                           | БДС 12789                                                                                                         |
|          |                                                                         | 2.1.15 Time of penetration of the first water droplet                                                                          | БДС EN ISO 5403-1                                                                                                 |
|          |                                                                         | 2.1.16 Water absorption                                                                                                        | БДС EN ISO 5403-1<br>БДС EN ISO 20344 cl.6.13<br>БДС EN ISO 20344/A1                                              |
|          |                                                                         | 2.1.17 Water permeability                                                                                                      | БДС EN ISO 5403-1<br>БДС EN ISO 20344 cl.6.13<br>БДС EN ISO 20344/A1                                              |
|          |                                                                         | 2.1.18 Flex resistance                                                                                                         | БДС EN ISO 5402-1<br>БДС EN ISO 17694                                                                             |
|          |                                                                         | 2.1.19 Color fastness to cycles of to-and-fro rubbing                                                                          | БДС EN ISO 11640<br>БДС EN ISO 17700                                                                              |
|          |                                                                         | 2.1.20 Color fastness to water spotting                                                                                        | БДС EN ISO 15700                                                                                                  |
| 2.2      | Heavy leather                                                           | 2.2.1 Moisture                                                                                                                 | БДС EN ISO 4684                                                                                                   |
|          |                                                                         | 2.2.2 Substances extractable with organic solvents                                                                             | БДС EN ISO 4048<br>Method cl.8.2                                                                                  |
|          |                                                                         | 2.2.3 Thickness                                                                                                                | БДС EN ISO 2589                                                                                                   |
|          |                                                                         | 2.2.4 Elongation at a specified load                                                                                           | БДС EN ISO 3376                                                                                                   |
|          |                                                                         | 2.2.5 Tensile strength                                                                                                         | БДС EN ISO 3376                                                                                                   |
|          |                                                                         | 2.2.6 Elongation at break                                                                                                      | БДС EN ISO 3376                                                                                                   |
|          |                                                                         | 2.2.7 Color fastness to cycles of to-and-fro rubbing                                                                           | БДС EN ISO 11640                                                                                                  |
|          |                                                                         | 2.2.8 Chromium(VI) content                                                                                                     | БДС EN ISO 17075-1                                                                                                |
|          |                                                                         | 2.2.9 Maximum force to seam rupture                                                                                            | БДС 12789                                                                                                         |
|          |                                                                         | 2.2.10 pH of aqueous extract                                                                                                   | БДС EN ISO 4045                                                                                                   |
| 2.3      | Shoes (leather, textile, textile with coating and combinations thereof) |                                                                                                                                |                                                                                                                   |
| 2.3.1    | Whole shoe                                                              | 2.3.1.1 Resistance to separation upper/outsole:<br>- adhesive method;<br>- adhesive-sewing method;<br>- direct molding method. | БДС EN ISO 20344 cl. 5.2<br>БДС EN ISO 20344/A1<br>БДС EN ISO 17708<br>БДС 10446 cl.2<br>БДС EN ISO 20344 cl. 5.2 |

| Type of the scope: <i>flexible for a part of the scope</i> |                 |                                                                                               |                                                                                      |
|------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| №                                                          | Tested products | Type of test/characteristic                                                                   | Test methods<br>(standard/<br>validated method)                                      |
| 1                                                          | 2               | 3                                                                                             | 4                                                                                    |
|                                                            |                 |                                                                                               | БДС EN ISO 20344/A1<br>БДС EN ISO 17708                                              |
|                                                            |                 | 2.3.1.2 Antistatic properties                                                                 | БДС EN ISO 20344 cl. 5.13<br>БДС EN ISO 20344/A1                                     |
|                                                            |                 | 2.3.1.3 Water resistance of whole shoe                                                        | БДС EN ISO 20344 cl. 5.19<br>БДС EN ISO 20344/A1<br>VALMI – 01/2019                  |
|                                                            |                 | 2.3.1.4 Seam strength                                                                         | БДС EN ISO 17697 Method B                                                            |
| 2.3.2                                                      | Upper           | 2.3.2.1 Tear strength (resistance)                                                            | БДС EN ISO 3377-1<br>БДС EN ISO 3377-2<br>БДС EN ISO 17696                           |
|                                                            |                 | 2.3.2.2 Flex resistance                                                                       | БДС EN ISO 17694                                                                     |
|                                                            |                 | 2.3.2.3 Time of penetration of the first water droplet                                        | БДС EN ISO 5403-1                                                                    |
|                                                            |                 | 2.3.2.4 Water absorption                                                                      | БДС EN ISO 20344 cl. 6.13<br>БДС EN ISO 20344/A1<br>БДС EN ISO 5403-1                |
|                                                            |                 | 2.3.2.5 Water permeability                                                                    | БДС EN ISO 20344 cl.6.13<br>БДС EN ISO 20344/A1<br>БДС EN ISO 5403-1                 |
|                                                            |                 | 2.3.2.6 Water vapor permeability                                                              | БДС 6783 cl.8<br>БДС EN ISO 20344 cl. 6.6<br>БДС EN ISO 20344/A1<br>БДС EN ISO 14268 |
|                                                            |                 | 2.3.2.7 Coefficient of water vapor permeability                                               | БДС EN ISO 20344 pt 6.8<br>БДС EN ISO 20344/A1                                       |
|                                                            |                 | 2.3.2.8 pH of aqueous extract                                                                 | БДС EN ISO 4045                                                                      |
|                                                            |                 | 2.3.2.9 Chromium(VI) content                                                                  | БДС EN ISO 17075-1                                                                   |
|                                                            |                 | 2.3.2.10 Resistance to damage on lasting:<br>- cracking of the front layer<br>- tearing point | БДС EN ISO 17693                                                                     |
|                                                            |                 | 2.3.2.11 Tensile strength                                                                     | БДС EN ISO 3376                                                                      |
|                                                            |                 | 2.3.2.12 Elongation at break                                                                  | БДС EN ISO 17706                                                                     |
|                                                            |                 | 2.3.2.13 Thickness                                                                            | БДС EN ISO 2589                                                                      |
|                                                            |                 | 2.3.2.14 Elongation at a specified load                                                       | БДС EN ISO 3376                                                                      |
|                                                            |                 | 2.3.2.15 Color fastness to cycles of to-and-fro rubbing                                       | БДС EN ISO 11640<br>БДС EN ISO 17700                                                 |
|                                                            |                 | 2.3.2.16 Height of upper                                                                      | БДС EN ISO 20344 cl.6.2<br>БДС EN ISO 20344/A1                                       |
| 2.3.3                                                      | Lining          | 2.3.3.1 pH of aqueous extract                                                                 | БДС EN ISO 4045                                                                      |
|                                                            |                 | 2.3.3.2 Chromium(VI) content                                                                  | БДС EN ISO 17075-1                                                                   |
|                                                            |                 | 2.3.3.3 Water vapor permeability                                                              | БДС 6783 cl.8<br>БДС EN ISO 20344 cl. 6.6<br>БДС EN ISO 20344/A1<br>БДС EN ISO 14268 |
|                                                            |                 | 2.3.3.4 Coefficient of water vapor permeability                                               | БДС EN ISO 20344 cl. 6.8<br>БДС EN ISO 20344/A1                                      |

| <b>Type of the scope:</b> <i>flexible for a part of the scope</i> |                        |                                                                                            |                                                                         |
|-------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>№</b>                                                          | <b>Tested products</b> | <b>Type of test/characteristic</b>                                                         | <b>Test methods<br/>(standard/<br/>validated method)</b>                |
| <b>1</b>                                                          | <b>2</b>               | <b>3</b>                                                                                   | <b>4</b>                                                                |
|                                                                   |                        | 2.3.3.5 Elongation at a specified load                                                     | БДС EN ISO 3376                                                         |
|                                                                   |                        | 2.3.3.6 Tensile strength                                                                   | БДС EN ISO 3376                                                         |
|                                                                   |                        | 2.3.3.7 Color fastness to cycles of to-and-fro rubbing                                     | БДС EN ISO 11640<br>БДС EN ISO 17700                                    |
|                                                                   |                        | 2.3.3.8 Tear strength (resistance)                                                         | БДС EN ISO 3377-1<br>БДС EN ISO 3377-2<br>БДС EN ISO 17696              |
| 2.3.4                                                             | Tongue                 | 2.3.4.1 Tear strength (resistance)                                                         | БДС EN ISO 3377-1<br>БДС EN ISO 3377-2<br>БДС EN ISO 17696              |
|                                                                   |                        | 2.3.4.2 pH of aqueous extract                                                              | БДС EN ISO 4045                                                         |
|                                                                   |                        | 2.3.4.3 Chromium(VI) content                                                               | БДС EN ISO 17075-1                                                      |
| 2.3.5                                                             | Insole                 | 2.3.5.1 Thickness                                                                          | БДС EN ISO 2589<br>БДС EN ISO 20344 cl.7.1<br>БДС EN ISO 20344/A1       |
|                                                                   |                        | 2.3.5.2 Water absorption                                                                   | БДС EN ISO 22649 Method A                                               |
|                                                                   |                        | 2.3.5.3 Water desorption                                                                   | БДС EN ISO 22649 Method A                                               |
|                                                                   |                        | 2.3.5.4 Abrasion resistance                                                                | БДС EN 12747                                                            |
| 2.3.6                                                             | Outsole                | 2.3.6.1 Tread surface                                                                      | БДС EN ISO 20344 cl.8.2<br>БДС EN ISO 20344/A1                          |
|                                                                   |                        | 2.3.6.2 Outsole thickness (excluding the tread)                                            | БДС EN ISO 20344 cl.8.2<br>БДС EN ISO 20344/A1                          |
|                                                                   |                        | 2.3.6.3 Tread height                                                                       | БДС EN ISO 20344 cl.8.2<br>БДС EN ISO 20344/A1                          |
|                                                                   |                        | 2.3.6.4 Abrasion resistance                                                                | БДС EN 12770<br>БДС ISO 4649                                            |
|                                                                   |                        | 2.3.6.5 Flexing resistance:<br>- cut increase after 30 000 cycles<br>- emergence of cracks | БДС EN ISO 20344 cl.8.6<br>БДС EN ISO 20344/A1<br>БДС EN ISO 17707 cl.7 |
|                                                                   |                        | 2.3.6.6 Shore hardness A                                                                   | БДС ISO 48-4                                                            |
|                                                                   |                        | 2.3.6.7 Density of vulcanized or thermoplastic rubber                                      | БДС ISO 2781 Method A                                                   |
| 2.4.                                                              | Leather clothing       |                                                                                            |                                                                         |
| 2.4.1                                                             | Use-surface leather    | 2.4.1.1 Moisture                                                                           | БДС EN ISO 4684                                                         |
|                                                                   |                        | 2.4.1.2 Substances extractable with organic solvents                                       | БДС EN ISO 4048<br>Method cl.8.2                                        |
|                                                                   |                        | 2.4.1.3 pH of aqueous extract                                                              | БДС EN ISO 4045                                                         |
|                                                                   |                        | 2.4.1.4 Chromium(VI) content                                                               | БДС EN ISO 17075-1                                                      |
|                                                                   |                        | 2.4.1.5 Time of penetration of the first water droplet                                     | БДС EN ISO 5403-1                                                       |
|                                                                   |                        | 2.4.1.6 Water absorption                                                                   | БДС EN ISO 5403-1<br>БДС EN ISO 20344 cl.6.13<br>БДС EN ISO 20344/A1    |
|                                                                   |                        | 2.4.1.7 Water permeability                                                                 | БДС EN ISO 5403-1<br>БДС EN ISO 20344 cl.6.13                           |



| <b>Type of the scope:</b> <i>flexible for a part of the scope</i> |                        |                                                         |                                                                                      |
|-------------------------------------------------------------------|------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>№</b>                                                          | <b>Tested products</b> | <b>Type of test/characteristic</b>                      | <b>Test methods<br/>(standard/<br/>validated method)</b>                             |
| <b>1</b>                                                          | <b>2</b>               | <b>3</b>                                                | <b>4</b>                                                                             |
|                                                                   |                        |                                                         | БДС EN ISO 20344/A1                                                                  |
|                                                                   |                        | 2.4.1.8 Thickness                                       | БДС EN ISO 2589                                                                      |
|                                                                   |                        | 2.4.1.9 Tensile strength                                | БДС EN ISO 3376                                                                      |
|                                                                   |                        | 2.4.1.10 Elongation at a specified load                 | БДС EN ISO 3376                                                                      |
|                                                                   |                        | 2.4.1.11 Maximum force to seam rupture                  | БДС 12789                                                                            |
|                                                                   |                        | 2.4.1.12 Color fastness to cycles of to-and-fro rubbing | БДС EN ISO 11640                                                                     |
|                                                                   |                        | 2.4.1.13 Color fastness to water spotting               | БДС EN ISO 15700                                                                     |
| 2.4.2                                                             | Fur                    | 2.4.1.14 Tear strength (resistance)                     | БДС EN ISO 3377-1<br>БДС EN ISO 3377-2                                               |
|                                                                   |                        | 2.4.2.1 pH of aqueous extract                           | БДС EN ISO 4045                                                                      |
|                                                                   |                        | 2.4.2.2 Chromium(VI) content                            | БДС EN ISO 17075-1                                                                   |
| 2.4.3                                                             | Finished product       | 2.4.2.3 Tear strength (resistance)                      | БДС EN ISO 3377-1<br>БДС EN ISO 3377-2                                               |
|                                                                   |                        | Seam strength                                           | БДС EN 13594 Annex C                                                                 |
| 2.5                                                               | Leather gloves         |                                                         |                                                                                      |
| 2.5.1                                                             | Use-surface leather    | 2.5.1.1 Moisture                                        | БДС EN ISO 4684                                                                      |
|                                                                   |                        | 2.5.1.2 Substances extractable with organic solvents    | БДС EN ISO 4048<br>Method cl. 8.2                                                    |
|                                                                   |                        | 2.5.1.3. pH of aqueous extract                          | БДС EN ISO 4045                                                                      |
|                                                                   |                        | 2.5.1.4 Chromium(VI) content                            | БДС EN ISO 17075-1                                                                   |
|                                                                   |                        | 2.5.1.5 Water vapor permeability                        | БДС 6783 cl.8<br>БДС EN ISO 20344 cl. 6.6<br>БДС EN ISO 20344/A1<br>БДС EN ISO 14268 |
|                                                                   |                        | 2.5.1.6 Coefficient of water vapor permeability         | БДС EN ISO 20344 cl. 6.8<br>БДС EN ISO 20344/A1                                      |
|                                                                   |                        | 2.5.1.7 Water vapor absorption                          | БДС EN ISO 20344 cl. 6.7<br>БДС EN ISO 20344/A1                                      |
|                                                                   |                        | 2.5.1.8 Resistance to water penetration                 | БДС EN ISO 5403-1                                                                    |
|                                                                   |                        | 2.5.1.9 Water absorption                                | БДС EN ISO 5403-1<br>БДС EN ISO 20344 cl. 6.13<br>БДС EN ISO 20344/A1                |
|                                                                   |                        | 2.5.1.10 Water permeability                             | БДС EN ISO 5403-1<br>БДС EN ISO 20344 cl. 6.13<br>БДС EN ISO 20344/A1                |
|                                                                   |                        | 2.5.1.11 Tear strength (resistance)                     | БДС EN ISO 3377-1<br>БДС EN ISO 3377-2                                               |
|                                                                   |                        | 2.5.1.12 Thickness                                      | БДС EN ISO 2589                                                                      |
|                                                                   |                        | 2.5.1.13 Elongation at a specified load                 | БДС EN ISO 3376                                                                      |
|                                                                   |                        | 2.5.1.14 Tensile strength                               | БДС EN ISO 3376                                                                      |
|                                                                   |                        | 2.5.1.15 Maximum force to seam rupture                  | БДС 12789                                                                            |

| <b>Type of the scope:</b> <i>flexible for a part of the scope</i> |                               |                                                         |                                                                    |
|-------------------------------------------------------------------|-------------------------------|---------------------------------------------------------|--------------------------------------------------------------------|
| <b>№</b>                                                          | <b>Tested products</b>        | <b>Type of test/characteristic</b>                      | <b>Test methods<br/>(standard/<br/>validated method)</b>           |
| <b>1</b>                                                          | <b>2</b>                      | <b>3</b>                                                | <b>4</b>                                                           |
|                                                                   |                               | 2.5.1.16 Color fastness to cycles of to-and-fro rubbing | БДС EN ISO 11640                                                   |
|                                                                   |                               | 2.5.1.17 Color fastness to water spotting               | БДС EN ISO 15700                                                   |
| 2.5.2                                                             | Finished product              | 2.5.2.1 Palm size                                       | БДС EN ISO 21420                                                   |
|                                                                   |                               | 2.5.2.2 Glove size                                      | БДС EN ISO 21420                                                   |
|                                                                   |                               | 2.5.2.3 Seam strength                                   | БДС EN 13594 Annex C                                               |
| 2.6                                                               | Textile, coated textile       | 2.6.1 Tear strength (resistance)                        | БДС EN ISO 4674-1 Method B                                         |
|                                                                   |                               | 2.6.2 Tensile strength and elongation at break          | БДС EN ISO 1421 Method 1                                           |
|                                                                   |                               | 2.6.3 Water vapor permeability                          | БДС EN ISO 20344 cl.6.6<br>БДС EN ISO 20344/A1<br>БДС EN ISO 14268 |
|                                                                   |                               | 2.6.4 Water vapor coefficient                           | БДС EN ISO 20344 cl.6.8<br>БДС EN ISO 20344/A1                     |
|                                                                   |                               | 2.6.5 Abrasion resistance                               | БДС EN ISO 20344 cl.6.12<br>БДС EN ISO 20344/A1                    |
| 3.                                                                | <b>SLIDE FASTENERS (ZIPS)</b> | 3.1 Lateral strength of slide fastener                  | БДС EN 16732 Annex G                                               |
|                                                                   |                               | 3.2 Strength of open-end slide fastener box             | БДС EN 16732 Annex D                                               |
|                                                                   |                               | 3.3 Strength of closed end                              | БДС EN 16732 Annex C                                               |
|                                                                   |                               | 3.4 Lateral strength open-end attachment                | БДС EN 16732 Annex H                                               |
|                                                                   |                               | 3.5 Strength of slider locking device                   | БДС EN 16732 Annex I                                               |

#### Notes:

\* Quantitative composition is a characteristic of % content of 48 textile fibers (Annex 1 to Article 4, 14 and §1, item 2) in binary and ternary textile mixtures and combinations thereof (Section III, Table with examples of typical ternary fiber mixtures), according to the Ordinance on labelling and naming of textile products (OLNTP)\*.

\*\* OLNTP repealed standard without replacement.

**Flexible scope:** Implementing a new version of standards/documents or standards / documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by laboratory.

#### Fixed scope:

VALMI-01/2019 – Methods of testing the water impermeability of complete footwear.

#### References:

1. \*\* OLNTP – Ordinance on labelling and naming of textile products (Decree of the Council of Ministers 114/2006, SG № 44/2006, amended in SG № 31/20.04.2012)
2. Regulation (EU) № 1007/2011 - Regulation of the European Parliament and of the Council (Labeling of textile fiber names and marking of textile products with regard to their fiber composition)

## ORDER

To issue the certificate of accreditation reg. № 33 ЛИ/28.05.2024, valid until 28.05.2028 and this order enclosed as an integral part of it.

The certificate of accreditation with the enclosure should be obtained from Manager of Defense Institute Professor Tsvetan Lazarov, the Head of Central Testing Laboratory of Logistic Properties at Defense Institute Professor Tsvetan Lazarov, or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited person is obliged to return to EA BAS the originals of certificate of accreditation reg. № 33 ЛИ/26.04.2024 valid until 26.05.2024 and its enclosure, EA BAS order reg. № A 160/26.04.2024.

This order shall be notified to Defense Institute Professor Tsvetan Lazarov, within 3 (three) days from its issuance.

**Eng. Irena Borislavova**

*Executive Director of EA BAS*

