



ORDER

№ A 268

Sofia, 19.04.2022

Pursuant to Art. 10, para. 1, item 2a, of the Law on National Accreditation of Conformity Assessment Bodies, in connection with item 5.3.1 of BAS QR 2 Accreditation Procedure, report № 313/33 ЛИ/46/В/12.04.2022, and EA BAS order reg. № 267/19.04.2022, I hereby

AMEND

EA BAS accreditation order № A 821/22.12.2021

of DEFENSE INSTITUTE PROFESSOR TSVETAN LAZAROV
Central Testing Laboratory of Logistic Properties

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

To perform testing of:

Range type: *flexible for part of the range*

№	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
1.	TEXTILE		
1.1.	Yarn Yarns and threads	1.1.1. Quantitative composition *	RLNTP Annex №5, Section II:
		- acetate / certain other fibers	Method 1 (with acetone)
		- certain protein fibers / certain other fibers	Method 2 (with hypochlorite)
		- viscose, cupro or certain types of modal / cotton	Method 3 (with formic acid and zinc chloride)
		- polyamide, nylon / certain other fibers	Method 4 (with formic acid)
		- acetate / certain other fibers	Method 5 (with benzyl alcohol)
		- triacetate / certain other	Method 6 (with

Range type: flexible for part of the range			
№	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
		fibers	dichloromethane)
		- certain cellulose fibers / certain other fibers (polyester)	Method 7 (with sulphuric acid)
		- acrylics, certain modacrylics, certain chlorofibres / certain other fibers	Method 8 (with dimethylformamide)
		- acetate / certain other fibers	Method 10 (with acetic acid)
		- silk / certain other fibers	Method 11 (with sulphuric acid)
		- polypropylene fibers /certain other fibers	Method 13 (with xylol)
		- chlorofibers / certain other fibers	Method 14 (with concentrated sulphuric acid) Annex №6:Methods based on Annex №5, Section II
		1.1.2 Linear density	БДС EN ISO 2060
		1.1.3 Breaking force	БДС EN ISO 2062
		1.1.4 Elongation at break	БДС EN ISO 2062
		1.1.5 Color fastness to laundering	БДС EN ISO 105 C06 БДС EN 20105 A02
		1.1.6 Color fastness to rubbing: - dry - wet	БДС EN ISO 105 X12 БДС EN 20105 A02
		1.1.7 Color fastness to water	БДС EN ISO 105 E01 БДС EN 20105 A02
		1.1.8 Color fastness to dry cleaning	БДС EN ISO 105 D01 БДС EN 20105 A02
1.2.	Fabrics	1.2.1. Quantitative composition *	RLNTP Annex №5, Section II:
		- acetate / certain other fibers	Method 1 (with acetone)
		- certain protein fibers / certain other fibers	Method 2 (with hypochlorite)

Range type: flexible for part of the range			
Nº	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
		- viscose, cupro or certain types of modal / cotton	Method 3 (with formic acid and zinc chloride)
		polyamide, nylon / certain other fibers	Method 4 (with formic acid)
		- acetate / certain other fibers	Method 5 (with benzyl alcohol)
		- triacetate / certain other fibers	Method 6 (with dichloromethane)
		certain cellulose fibers / certain other fibers (polyester)	Method 7 (with sulphuric acid)
		- acrylics, certain modacrylics, certain chlorofibres / certain other fibers	Method 8 (with dimethylformamide)
		- acetate / certain other fibers	Method 10 (with acetic acid)
		- silk / certain other fibers	Method 11 (with sulphuric acid)
		- polypropylene fibers / certain other fibers	Method 13 (with xylol)
		- chlorofibers / certain other fibers	Method 14 (with concentrated sulphuric acid) Annex №6: Methods based on Annex №5, Section II
		1.2.2 Width and length	БДС EN 1773
		1.2.3 Number of threads per unit length - warp - weft	БДС EN 1049-2
		1.2.4 Maximum force - warp - weft	БДС EN ISO 13934-1
		1.2.5 Elongation at maximum force - warp - weft	БДС EN ISO 13934-1

Range type: flexible for part of the range			
№	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
		1.2.6 Tear force of test specimens - warp - weft	БДС EN ISO 13937-2 БДС EN ISO 13937-4
		1.2.7 Dimensional change induced by water immersion and drying: - warp - weft	БДС EN ISO 3759 БДС ISO 7771
		1.2.8 Dimensional change induced by laundering and drying: - warp - weft	БДС EN ISO 3759 БДС EN ISO 5077 БДС EN ISO 6330
		1.2.9 Abrasion resistance - specimen breakdown - mass loss - assessment of appearance change	БДС EN ISO 12947-1 БДС EN ISO 12947-1/AC БДС EN ISO 12947-2 БДС EN ISO 12947-3 БДС EN ISO 12947-3/AC 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
		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 БДС EN 20105 A02
		1.2.16 Color fastness to rubbing: - dry - wet	БДС EN ISO 105 X12 БДС EN 20105 A02
		1.2.17 Color fastness to dry cleaning	БДС EN ISO 105 D01 БДС EN 20105 A02
		1.2.18 Color fastness to water	БДС EN ISO 105 E01 БДС EN 20105 A02

Range type: flexible for part of the range			
№	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
		1.2.19 Color fastness to sea water	БДС EN ISO 105 E02 БДС EN 20105 A02
		1.2.20 Color fastness to perspiration: - acidic - alkaline	БДС EN ISO 105 F04 БДС EN 20105 A02
		1.2.21 Color fastness to spotting: Acid	БДС EN ISO 105 E05 БДС EN 20105 A02
		1.2.22 Color fastness to spotting: Alkali	БДС EN ISO 105 F06 БДС EN 20105 A02
		1.2.23 Color fastness to hot pressing	БДС EN ISO 105 X11 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 - warp-front/front; back/back- weft-front/front; back/back	БДС EN ISO 2313-1
1.3.	Nonwovens	1.3.1. Quantitative composition *	RLNTP Annex №5, Section II:
		- acetate / certain other fibers	Method 1 (with acetone)
		- certain protein fibers / certain other fibers	Method 2 (with hypochlorite)
		- viscose, cupro or certain types of modal / cotton	Method 3 (with formic acid and zinc chloride)
		- polyamide, nylon / certain other fibers	Method 4 (with formic acid)
		- acetate / certain other fibers	Method 5 (with benzyl alcohol)
		- triacetate / certain other fibers	Method 6

Range type: flexible for part of the range			
Nº	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
			(with dichloromethane)
		- certain cellulose fibers / certain other fibers (polyester)	Method 7 (with sulphuric acid)
		- acrylics, certain modacrylics, certain chlorofibres / certain other fibers	Method 8 (with dimethylformamide)
		- acetate / certain other fibers	Method 10 (with acetic acid)
		- silk / certain other fibers	Method 11 (with sulphuric acid)
		- polypropylene fibers /certain other fibers	Method 13 (with xylol)
		- chlorofibers / certain other fibers	Method 14 (with concentrated sulphuric acid) Annex Nº6:Methods based on Annex Nº5, Section II
		1.3.2 Mass per unit of area	БДC EN 29073-1
		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 *	RLNTP Annex Nº5, Section II:
		- acetate / certain other fibers	Method 1 (with acetone)
		- certain protein fibers / certain other fibers	Method 2 (with hypochlorite)
		- viscose, cupro or certain types of modal / cotton	Method 3 (with formic acid and zinc chloride)
		- polyamide, nylon / certain other fibers	Method 4 (with formic acid)
		- acetate / certain other fibers	Method 5 (with benzyl alcohol)
		- triacetate / certain other fibers	Method 6 (with dichloromethane)
		- certain cellulose fibers / certain other fibers (polyester)	Method 7 (with sulphuric acid)
		- acrylics, certain modacrylics,	Method 8

Range type: <i>flexible for part of the range</i>			
Nº	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
		certain chlorofibres / certain other fibers	(with dimethylformamide)
		- acetate / certain other fibers	Method 10 (with acetic acid)
		silk / certain other fibers	Method 11 (with sulphuric acid)
		- polypropylene fibers /certain other fibers	Method 13 (with xylol)
		- chlorofibers / certain other fibers	Method 14 (with concentrated sulphuric acid) Annex №6:Methods based on Annex №5, Section II
		1.4.2 Mass per unit of area	БДC EN 12127
		1.4.3 Pellet piercing strength	БДC 9585
		1.4.4 Dimensional change induced by water immersion and drying: - wales - courses	БДC EN ISO 3759 БДC ISO 7771
		1.4.5 Dimensional change induced by laundering and drying: - wales - courses	БДC EN ISO 3759 БДC EN ISO 5077 БДC EN ISO 6330
		1.4.6 Abrasion resistance - specimen breakdown - mass loss - assessment of appearance change	БДC EN ISO 12947-1 БДC EN ISO 12947-1/AC БДC EN ISO 12947-2 БДC EN ISO 12947-3 БДC EN ISO 12947-3/AC БДC EN ISO 12947-4
		1.4.7 Propensity to surface pilling	БДC EN ISO 12945-2
		1.4.8 pH of aqueous extract	БДC EN ISO 3071

Range type: flexible for part of the range			
Nº	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
		1.4.9 Formaldehyde content	БДС EN ISO 14184-1
		1.4.10 Number of stitches per unit of length and unit area - wales - courses	БДС EN 149/1
		1.4.11 Color fastness to laundering	БДС EN ISO 105 C06 БДС EN 20105 A02
		1.4.12 Color fastness to rubbing: - dry - wet	БДС EN ISO 105 X12 БДС EN 20105 A02
		1.4.13 Color fastness to dry cleaning	БДС EN ISO 105 D01 БДС EN 20105 A02
		1.4.14 Color fastness to water	БДС EN ISO 105 E01 БДС EN 20105 A02
		1.4.15 Color fastness to sea water	БДС EN ISO 105 E02 БДС EN 20105 A02
		1.4.16 Color fastness to perspiration: - acidic - alkaline	БДС EN ISO 105 E04 БДС EN 20105 A02
		1.4.17 Color fastness to hot pressing	БДС EN ISO 105 X11 БДС EN 20105 A02
1.5.	Finished products		
1.5.1.	Knitted products	1.5.1.1 Size designation	БДС 15409 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 pt. 2. 1.
1.5.2.	Sewing products	1.5.2.1 Size designation	БДС EN 13402-1

Range type: flexible for part of the range			
Nº	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
			БДC EN 13402-2 БДC EN 13402-3 БДC EN 14
		1.5.2.2 Maximum force to seam rupture (seam strength)	БДC EN ISO 13935-1
		1.5.2.3 Maximum force to peeling of backing details (unsticking strength)	БДC 12469
1.5.3.	Passementerie	1.5.3.1. Quantitative composition *	RLNTP Annex №5, Section II:
		- acetate / certain other fibers	Method 1 (with acetone)
		- certain protein fibers / certain other fibers	Method 2 (with hypochlorite)
		- viscose, cupro or certain types of modal / cotton	Method 3 (with formic acid and zinc chloride)
		- polyamide, nylon / certain other fibers	Method 4 (with formic acid)
		- acetate / certain other fibers	Method 5 (with benzyl alcohol)
		- triacetate / certain other fibers	Method 6 (with dichloromethane)
		- certain cellulose fibers / certain other fibers (polyester)	Method 7 (with sulphuric acid)
		- acrylics, certain modacrylics, certain chlorofibres / certain other fibers	Method 8 (with dimethylformamide)
		- acetate / certain other fibers	Method 10 (with acetic acid)
		- silk / certain other fibers	Method 11 (with sulphuric acid)
		- polypropylene fibers /certain other fibers	Method 13 (with xylol)
		- chlorofibers / certain other fibers	Method 14 (with concentrated sulphuric acid) Annex №6: Methods based on Annex №5, Section II

Range type: flexible for part of the range			
Nº	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
		1.5.3.2 Width and length	БДС EN 1773
		1.5.3.3 Strength and elongation 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 laundering	БДС EN ISO 105 C06 БДС EN 20105 A02
		1.5.3.7 Color fastness to rubbing: - dry - wet	БДС EN ISO 105 X12 БДС EN 20105 A02
		1.5.3.8 Color fastness to dry cleaning	БДС EN ISO 105 D01 БДС EN 20105 A02
		1.5.3.9 Color fastness to water	БДС EN ISO 105 E01 БДС EN 20105 A02
		1.5.3.10 Color fastness to perspiration: - acidic - alkaline	БДС EN ISO 105 E04 БДС EN 20105 A02
1.6.	COLOR		
1.6.1	Textile materials (fabrics, nonwovens, knitted fabrics, finished products, passementerie)	1.6.1.1. Spectral coefficient of reflection, R (from 250 nm to 2000 nm)	DIN 5036-3
		1.6.1.2. Color coordinates (L^* , a^* , b^* , C_{AB}^* , h_{AB} ; X , Y , Z ; x , y)	БДС EN ISO 105-J01
		1.6.1.3. CIELAB values, L^* , a^* , b^* , C_{ab}^* , h_{ab}	БДС EN ISO 105-J03 т.3.1
		1.6.1.4. Values of ΔL^* , Δa^* , Δb^* , ΔC_{ab}^* , Δh_{ab} , ΔE_{ab}	БДС EN ISO 105-J03 т.3.2
		1.6.1.5 Color fastness for artificial light: Xenon arc lamp	БДС EN ISO 105 B02 БДС EN ISO 105 B04 БДС EN 20105 A02
1.7	Textile materials	1.7.1 Permeability to air	БДС EN ISO 9237

Range type: flexible for part of the range			
№	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
2.	LEATHER		
2.1	Flexible leather	2.1.1 Moisture	БДС EN ISO 4684
		2.1.2 Substances extractable with organic solvents	БДС EN ISO 4048 Method pt.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 permeability	БДС 6783 pt.8 БДС EN ISO 20344 pt. 6.6 БДС EN ISO 14268
		2.1.6 Coefficient of water vapor permeability	БДС EN ISO 20344 pt 6.8
		2.1.7 Absorption of water vapor	БДС EN ISO 20344 pt 6.7
		2.1.8 Resistance to damage on lasting: - cracking of the front layer - 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 БДС EN ISO 3377-2 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 БДС EN ISO 20344 pt.6.13
		2.1.17 Water permeability	БДС EN ISO 5403-1 БДС EN ISO 20344 pt.6.13

Range type: <i>flexible for part of the range</i>			
№	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
		2.1.18 Flex resistance	БДС EN ISO 5402-1 БДС EN ISO 17694
		2.1.19 Color fastness to cycles of to-and-fro rubbing	БДС EN ISO 11640 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 Method pt.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: - adhesive method; - adhesive-sewing method; - direct molding method.	БДС EN ISO 20344 pt. 5.2 БДС EN ISO 17708 БДС 10446 pt.2 БДС EN ISO 20344 pt. 5.2 БДС EN ISO 17708
		2.3.1.2 Antistatic properties	БДС EN ISO 20344 pt. 5.10
		2.3.1.3 Water resistance of whole shoe	VALMI – 01 БДС EN ISO 20344 pt. 5.15.2
		2.3.1.4 Seam strength	БДС EN ISO 17697 Method B

Range type: flexible for part of the range			
№	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
2.3.2	Upper	2.3.2.1 Tear strength (resistance)	БДС EN ISO 3377-1 БДС EN ISO 3377-2 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 absorpton	БДС EN ISO 20344 pt.6.13 БДС EN ISO 5403-1
		2.3.2.5 Water permeability	БДС EN ISO 20344 pt.6.13 БДС EN ISO 5403-1
		2.3.2.6 Water vapor permeability	БДС 6783 pt.8 БДС EN ISO 20344 pt. 6.6 БДС EN ISO 14268
		2.3.2.7 Coefficient of water vapor permeability	БДС EN ISO 20344 pt 6.8
		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: - cracking of the front layer - 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 БДС EN ISO 17700
		2.3.2.16 Height of upper	БДС EN ISO 20344 pt.6.2
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

Range type: <i>flexible for part of the range</i>			
№ 1	Tested products 2	Type of test/characteristic 3	Test methods (standard/ validated method) 4
		2.3.3.3 Water vapor permeability	БДС 6783 pt.8 БДС EN ISO 20344 pt. 6.6 БДС EN ISO 14268
		2.3.3.4 Coefficient of water vapor permeability	БДС EN ISO 20344 pt 6.8
		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 БДС EN ISO 17700
		2.3.3.8 Tear strength (resistance)	БДС EN ISO 3377-1 БДС EN ISO 3377-2 БДС EN ISO 17696
2.3.4	Tongue	2.3.4.1 Tear strength (resistance)	БДС EN ISO 3377-1 БДС EN ISO 3377-2 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 БДС EN ISO 20344 pt.7.1
		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 ISO 20344 pt.7.3 БДС EN 12747
2.3.6	Outsole	2.3.6.1 Tread surface	БДС EN ISO 20344 pt.8.1
		2.3.6.2 Outsole thickness (excluding the tread)	БДС EN ISO 20344 pt.8.1
		2.3.6.3 Tread height	БДС EN ISO 20344 pt.8.1
		2.3.6.4 Abrasion resistance	БДС EN 12770 БДС ISO 4649

Range type: flexible for part of the range			
№	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
		2.3.6.5 Flexing resistance: - cut increase after 30 000 cycles - emergence of cracks	БДС EN ISO 20344 pt.8.4.2 БДС EN ISO 17707 pt.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 Method pt.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 БДС EN ISO 20344 pt.6.13
		2.4.1.7 Water permeability	БДС EN ISO 5403-1 БДС EN ISO 20344 pt.6.13
		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
		2.4.1.14 Tear strength (resistance)	БДС EN ISO 3377-1 БДС EN ISO 3377-2

Range type: <i>flexible for part of the range</i>			
№	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
2.4.2	Fur	2.4.2.1 pH of aqueous extract	БДС EN ISO 4045
		2.4.2.2 Chromium(VI) content	БДС EN ISO 17075
		2.4.2.3 Tear strength (resistance)	БДС EN ISO 3377-1 БДС EN ISO 3377-2
2.4.3	Finished product	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 Method pt.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 pt.8 БДС EN ISO 20344 pt. 6.6 БДС EN ISO 14268
		2.5.1.6 Coefficient of water vapor permeability	БДС EN ISO 20344 pt 6.8
		2.5.1.7 Water vapor absorption	БДС EN ISO 20344 pt 6.7
		2.5.1.8 Resistance to water penetration	БДС EN ISO 5403-1
		2.5.1.9 Water absorption	БДС EN ISO 5403-1 БДС EN ISO 20344 pt.6.13
		2.5.1.10 Water permeability	БДС EN ISO 5403-1 БДС EN ISO 20344 pt.6.13
		2.5.1.11 Tear strength (resistance)	БДС EN ISO 3377-1 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

Range type: flexible for part of the range			
№	Tested products	Type of test/characteristic	Test methods (standard/ validated method)
1	2	3	4
		2.5.1.15 Maximum force to seam rupture	БДС 12789
		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 pt.6.6
		2.6.4 Water vapor coefficient	БДС EN ISO 20344 pt.6.8
		2.6.5 Abrasion resistance	БДС EN ISO 20344 pt.6.12
3.	SLIDE FASTENERS (ZIPS)	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

(*) „Quantitative composition” is a characteristic of % content of 48 textile fibers (Annex 1 to Article 14, 14 and 81, pt. 2) in binary and ternary textile mixtures and combinations thereof (Section III, Table with examples of typical ternary fiber mixtures), according to the Regulation on labelling and naming of textile products (RLNTP)*.

flexible range The introduction of a new version of the standards or standards that replace them is allowed. The laboratory keeps an up-to-date list of standards with their dated versions

References flexible range:

RLNTP – Regulation on labelling and naming of textile products (Decree of the Council of Ministers 114/2006, State Gazette (SG) issue 44 /2006, amended and supplemented in SG issue 31 of 20.04.2012)

fixed range

References fixed range:

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

I HEREBY ORDER

To issue the Certificate of accreditation reg. № 33 ЛИ/19.04.2022, valid until 26.05.2024 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, Sofia, the Head of Central Testing Laboratory of Logistic Properties of Defense Institute PROFESSOR TSVETAN LAZAROV, Sofia or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited CAB is obliged to return to EA BAS the originals of Certificate of accreditation reg. № 33 ЛИ/22.12.2021 valid until 26.05.2024 and its enclosure, EA BAS order reg. № A 821/22.12.2021.

This Order shall be notified to Defense Institute PROFESSOR TSVETAN LAZAROV, Sofia within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

