



INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a.s.
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EVALUATION REPORT

Ref. No.: 723302601/2024

Customer: **VM Footwear s.r.o.**
Veselská 1935
696 62 Strážnice
Czech Republic

Product: **Firefighting Footwear according to ČSN EN 15090:2012, Type 2, F2A, HI3, CI, WR, SR, HRO, designed for Firefighters and Firefighting Squads and designed for Working with a Chain Saw, types:**
7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1
7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

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Introduction

This Evaluation Report was issued on the basis of Application No. 723302601 for the assessment of conformity of personal protective equipment (PPE) with the basic requirements of Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC (hereinafter Regulation (EU) 2016/425).

This assessment should prove the fulfilment of EU legislation requirements for the purpose of the access of the assessed products to the EU market.

1. Identification of assessed personal protective equipment

A detailed description of the design and structure, including the drawing documentation and specifications of materials used, is given in the file of technical documentation of the product called "Firefighting Footwear according to ČSN EN 15090:2012, Type 2, F2A, HI3, CI, WR, SR, HRO, designed for Firefighters and Firefighting Squads and designed for Working with a Chain Saw, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)". The address of the place of production is given in the technical documentation under the code A1002. The submitted documentation covers the following models and alternatives of the product:

Firefighting Footwear according to ČSN EN 15090:2012, Type 2, F2A, HI3, CI, WR, SR, HRO, designed for Firefighters and Firefighting Squads and designed for Working with a Chain Saw, types:

7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1

7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Design and used material:

This is half-knee footwear closed by combined zipper mechanism and lace closing. The footwear has toe protectors, composite toe caps, textile penetration resistant inserts and lining with a membrane Free-tex new. Between the upper and lining there is several layers of cut resistant textile for chain saw cutting resistance. The boots are produced in two variants of the upper design. Both variants have the same material composition of the top and bottom, they differ only in the design of the top. The type (V24) additionally has a designer red imitation ankle protector and a black nomex fabric triangle above it. However, both variants have the identical properties essential for the assessment of conformity, they form a type series. Basic material composition is presented in Table I. Drawing of the assessed PPE see below.



7200-S7L



7200-S7L (V24)


Table 1: Material composition of footwear

Part of footwear	Material	
	7200-S7L	7200-S7L (V24)
Upper	Smooth hydrophobic cowhide leather	Smooth hydrophobic cowhide leather and nomex fabric
Toe cap	Composite toe cap MR1701G	
Scuff cap	Rubber/TPU	
Collar	Patterned flexible cowhide leather	
Vamp and quarter lining	Textile with membrane Free-tex new	
Collar lining	Knitted textile Mesh	
Tongue lining	Knitted textile Mesh and textile with membrane Free-tex new	
Interlining	Textile fabric covered by rubber – several layers	
Tongue	Smooth hydrophobic cowhide leather and patterned flexible cowhide leather	
Insole	Antiperforation textile MINGRUIJIA and textile with membrane Free-tex new	
Insock	Hi-poly (knitwear on a shaped stitched by antistatic thread)	
Outsole	Cleated outsole KA-334 PU/RUBBER Michelin	

Intended use of the personal protective equipment:

The product is ranked among the personal protective equipment the fundamental purpose of which is protection of feet from injuries that may be sustained during accidents in the working spheres for which the boots are intended. The boots are made especially as fireman's boots, according to risks connected with the fire-fighting and together as a cut resistant footwear – with resistance to chain saw cutting. It is equipped by stiffening toe cap to protect foot toes. It affords protection against 200 J impact and against compression at the compression force of 15 kN. The footwear meets requirements of EN 15090 with additional requirements for water and cold resistance. In term on insulation against heat there is met the requirement for HL₃, in term on electrostatic properties it is antistatic footwear. According to the standard above it is footwear for firefighters, type 2, marking F2A. Checked product meets the requirement of EN ISO 20345 on antiskid properties SRC and on puncture resistance. Next met requirements are requirements of EN ISO 17249, for footwear with resistance to chain saw cutting level 1 from point of view of design, construction and resistance to chain saw cutting.



Classification of protective personal equipment:

Product Safety Footwear, type: Firefighting Footwear according to ČSN EN 15090:2012, Type 2, F2A, HI3, CI, WR, SR, HRO, designed for Firefighters and Firefighting Squads and designed for Working with a Chain Saw, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24) was classified as PPE Category III by the manufacturer.

2. Technical documentation

Technical documentation was submitted in the Czech language to assess the conformity Firefighting Footwear according to ČSN EN 15090:2012, Type 2, F2A, HI3, CI, WR, SR, HRO, designed for Firefighters and Firefighting Squads and designed for Working with a Chain Saw, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24) on 2024-02-09. The file of technical documentation contains the items in according to Annex III of the Regulation (EU) 2016/425 of the European Parliament and of the Council.

3. Assessment of conformity with basic requirements according to the Regulation (EU) 2016/425 of the European Parliament and of the Council

3.1 Basic requirements for the product and its specification in technical specifications

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC setting out technical requirements for personal protective equipment.

Tables No. II to IV state the analysis of applicability of basic requirements according to Annex II of Regulation (EU) 2016/425 in the right column, supplemented in case of applicable requirements by articles of harmonised standards stated in their harmonisation annex ZA or other technical specifications used for proving the conformity with respective partial requirement. "A" letter in the third column of the tables means that these requirements has been used for the given PPE, the "N/A" abbreviation (not applicable) means the requirement does not apply to the given PPE because it is irrelevant for the given intended use and/or the material used.

Column 4 of Tables No. II – IV states the articles of harmonised standards which are linked, by means of cross links in the harmonisation annex ZA, to the respective basic requirement of Regulation (EU) 2016/425. Meeting these articles of the harmonised standard proves the conformity of the product with the given basic requirement stated in the right column.

The fifth column of Tables No. II – IV states the articles of non-harmonised technical specifications by which the manufacturer proves the conformity with the respective basic requirement which is not included in harmonisation. These can be articles of non-harmonised national or international standards as well as articles of harmonised standards which are not connected with the given requirement by a link in the harmonisation annex ZA. In extraordinary cases, the respective basic requirement can be set quite specifically by the Regulation so the conformity can be assessed directly with this article of the Regulation without any necessity to specify the required by means of a harmonised standard or other technical specification.

In case of applicable requirements, the last column of Tables No. II – IV states the assessment of the given requirement, whether PPE passes or does not pass. "P" letter means PPE passes the given requirement, "N/P" means it does not pass it.

Table II: Overview of basic requirements and technical specifications used in the PPE design. General requirements applicable to all PPE

Requirement number in Annex II	Requirement description	Application A – N/A	Article of the harmonised standard specifying the requirement (according to Annex ZA)	Other technical specification or the manner of proving the compliance with the requirement	Assessment P – N/P
1.1	Design principles	A		See requirement 1.1.1, 1.1.2 below	P
1.1.1	Ergonomics	A	EN ISO 20345 Art. 5.3.4		P
1.1.2	Levels and classes of protection	A		See requirement 1.1.2.1. a 1.1.2.2 below	P
1.1.2.1	Optimum level of protection	A	EN ISO 20345 Art. 5.3.4		P
1.1.2.2	Classes of protection appropriate to different levels of risks	A	EN 15090 Art. 4.3 EN ISO 17249 ed. 2 Art. 6.4	EN ISO 20345 Art. 6.1	P
1.2	Innocuousness of PPE	A		See requirement 1.2.1, 1.2.1.1., 1.2.1.2 and 1.2.1.3 below	P
1.2.1	Absence of risks and other inherent nuisance factors	A	EN ISO 20345 Art. 5.3.4 EN 15090 Art. 6.8.1 EN ISO 17249 ed. 2 Art. 6.2, 6.3		P
1.2.1.1	Suitable constituent materials	A	EN ISO 20345 Art. 5.3.6		P
1.2.1.2	Satisfactory surface condition of all PPE parts in contact with the user	A	EN ISO 20345 Art. 5.3.4		P
1.2.1.3	Maximum permissible user impediment	A	EN ISO 20345 Art. 5.3.4		P
1.3	Comfort and effectiveness	A		See requirement 1.3.1, 1.3.2 below	P
1.3.1	Adaptation of PPE to user morphology	A	EN ISO 20345 Art. 5.3.4		P
1.3.2	Lightness and design strength	A	EN ISO 20345 Art. 5.3.1.2; 5.4.3, 5.5.2; 5.6.2; 5.7.4; 5.8.2; 5.8.3; 5.8.4, 5.8.6 EN 15090 Art. 6.3.1, 6.8.2, 6.8.3, table 7		P
1.3.3	Compatibility of different classes or types of PPE designed for simultaneous use	N/A			
1.3.4	Protective clothing containing removable protectors	N/A			
1.4	Manufacturer's instructions and information	A	EN ISO 20345 Art. 8 EN 15090 Art. 9 EN ISO 17249 ed. 2 Art. 7, 8		P

Table III: Overview of basic requirements and technical specifications used in the PPE designing. Additional requirements common to several classes or types of PPE

Requirement number in Annex II	Requirement description	Application A – N/A	Article of the harmonised standard specifying the requirement (according to Annex ZA)	Other technical specification or the manner of proving the compliance with the requirement	Assessment P – N/P
2.1	PPE incorporating adjustment systems	N/A			
2.2	PPE enclosing the parts of the body to be protected	A	EN ISO 20345 Art. 5.4.6, 5.5.4, 5.7.3		P
2.3	PPE for the face, eyes and respiratory system	N/A			
2.4	PPE subject to ageing	A	EN ISO 20345 Art. 7, 8	EN ISO 22568-2 Art. 4.6 EN ISO 22568-4 Art. 4.4	P
2.5	PPE which may be caught up during use	N/A			
2.6	PPE for use in potentially explosive atmospheres	A	EN ISO 20345 Art. 6.2.2.2 EN 15090 Art. 6.6.3		P
2.7	PPE intended for rapid intervention or to be put on or removed rapidly	N/A			
2.8	PPE for intervention in very dangerous situations	N/A			
2.9	PPE incorporating components which can be adjusted or removed by the user	N/A			
2.10	PPE for connection to complementary equipment external to the PPE	N/A			
2.11	PPE incorporating a fluid circulation system	N/A			
2.12	PPE bearing one or more identification markings or indicators directly or indirectly relating to health and safety	A	EN ISO 20345 Art. 6.1, 7, table 16 EN 15090 Art. 8		P
2.13	PPE capable of signalling the user's presence visually	N/A			
2.14	'Multi-risk' PPE	A	EN ISO 20345 Art. 5.3.5, 6.2.1, 6.2.2, 6.2.3, 6.2.4, 6.2.5, 6.2.10, 6.4.1, 6.4.2		P

Table IV: Overview of basic requirements and technical specifications used in the PPE designing. Additional requirements specific to particular risks

Requirement number in Annex II	Requirement description	Application A – N/A	Article of the harmonised standard specifying the requirement (according to Annex ZA)	Other technical specification or the manner of proving the compliance with the requirement	Assessment P – N/P
3.1	Protection against mechanical impact	A		See requirements 3.1.1, 3.1.2 below	P
3.1.1	Impact caused by falling or ejected objects and collision of parts of the body with an obstacle	A	EN ISO 20345 Art. 5.3.2.6		P
3.1.2	Falls	A		See requirement 3.1.2.1 below	P
3.1.2.1	Prevention of falls due to slipping	A	EN ISO 20345 Art. 5.3.5, 5.8.2, 6.2.10		P
3.1.2.2	Prevention of falls from a height	N/A			
3.1.3	Mechanical vibration	N/A			
3.2	Protection against static compression of part of the body	A	EN ISO 20345 Art. 5.3.2.7, 6.2.4 EN 15090 Art. 6.4		P
3.3	Protection against mechanical injuries	A	EN ISO 20345 Art. 5.5.2, 5.8.3, 6.2.1, 6.2.9 EN ISO 17249 ed. 2 Art. 6.4		P
3.4	Protection in liquids	N/A			
3.4.1	Prevention of drowning	N/A			
3.4.2	Buoyancy aids	N/A			
3.5	Protection against the harmful effects of noise	N/A			
3.6	Protection against heat and/or fire	A	EN ISO 20345 Art. 6.2.3.1, 6.4.1		P
3.6.1	PPE constituent materials and other components	A	EN 15090 Art. 6.3.2, 6.3.3		P
3.6.2	Complete PPE ready for use	A	EN 15090 Art. 6.3.1, table 6		P
3.7	Protection against cold	A	EN ISO 20345 Art. 6.2.3.2		P
3.7.1	PPE constituent materials and other components	A		EN ISO 20345 Art. 6.2.3.2	P
3.7.2	Complete PPE ready for use	A		EN ISO 20345 Art. 6.2.3.2	P
3.8	Protection against electric shock	N/A			
3.8.1	Insulating equipment	N/A			
3.8.2	Conductive equipment	N/A			
3.9	Radiation protection	N/A			
3.9.1	Non-ionising radiation	N/A			
3.9.2	Ionising radiation	N/A			

Requirement number in Annex II	Requirement description	Application A – N/A	Article of the harmonised standard specifying the requirement (according to Annex ZA)	Other technical specification or the manner of proving the compliance with the requirement	Assessment P – N/P
3.9.2.1	Protection against external radioactive contamination	N/A			
3.9.2.2	Protection against external irradiation	N/A			
3.10	Protection against substances and mixtures which are hazardous to health and against harmful biological agents	N/A			
3.10.1	Respiratory protection	N/A			
3.10.2	Protection against cutaneous and ocular contact	N/A			
3.11	Diving equipment	N/A			

When designing the product, the manufacturer applied the following standards harmonised to Regulation (EU) 2016/425, see Table V:

Table V: Relevant harmonized standards

Technical standard	Name
ČSN EN 15090:2012 (EN 15090:2012)	Obuv pro hasiče (Footwear for Firefighters)
ČSN EN ISO 17249:2014 ed. 2 (EN ISO 17249:2013, EN ISO 17249:2013/AC:2014-02)	Bezpečnostní obuv odolná proti pořezání řetězovou pilou (Safety footwear with resistance to chain saw cutting)
ČSN EN ISO 20345:2023 ed. 2 (EN ISO 20345:2022)	Osobní ochranné prostředky – Bezpečnostní obuv (Personal protective equipment – Safety footwear)

The EU Type Certificate No. 18 0592 T/NB/b was issued for the product specified in Art. 1 (the first model only) of this Evaluation Report. Named certificate was issued by Institut pro testování a certifikaci a.s. Zlín – NB 1023 on 2021-12-22. The validity of named certificate expired on 2023-11-26. The certificate was elaborated on the basis of the Evaluation Report, reference No. 723302223/2021 dated 2021-12-22. With respect to the time of expiration above mentioned certificate will be cancelled and new certificate will be issued. Manufacturing technology and used materials remain unchanged (see document marked D23 in Table VIII).

3.2 Indicators specifying basic requirements and test methods

Indicators specifying applicable basic requirements (marked with "A" in the third column of Tables from II to IV):

General essential requirements – innocuousness, design, ergonomic properties according to ČSN EN 15090:2012 with reference to ČSN EN ISO 20345:2023 ed. 2

- boot design and shape - Art. 5.2, 5.3
- requirements for the complete boots - Art. 5.3
- requirements for upper - Art. 5.4
- requirements for lining - Art. 5.5
- requirements for tongue - Art. 5.6
- requirements for insole and insock - Art. 5.7
- requirements for outsole - Art. 5.8
- innocuousness - Art. 5.3.6

General requirements – design, ergonomic properties according to ČSN EN 15090:2012

- requirements for the construction - Art. 4, 6.1
- requirements for the complete boots - Art. 6.2, 6.8
- thermo-resistant requirements - Art. 6.3
- requirements for sole - Art. 6.7

Supplementary requirements for specific risks according to ČSN EN 15090:2012

- antistatic properties – Art 6.6.3
- insulation against cold - reference to ČSN EN ISO 20345, Art. 6.2.3.2
- water resistance - reference to ČSN EN ISO 20345, Art. 6.2.5

Supplementary requirements for specific risks according to ČSN EN ISO 17249:2014 ed. 2

- design – Art. 6.2
- construction – Art. 6.3
- resistance to chain saw cutting – Art. 6.4

Marking, information supplied by the manufacturer:

- marking, classification - ČSN EN 15090:2012, Art. 8, ČSN EN ISO 17249:2014 ed. 2 Art. 7, ČSN EN ISO 20345:2023 ed. 2 Art. 7
- information to be supplied - ČSN EN 15090:2012, Art. 9, ČSN EN ISO 17249:2014 ed. 2, Art. 8, ČSN EN ISO 20345:2023 ed. 2 Art. 8

3.3 Test methods

The submitted samples of the product assessed, operating safety footwear, were tested employing test methods specified in Table VI:

Table VI: Test methods and standards used for testing

Test method	Used standard
Personal protective equipment - Test methods for footwear	ČSN EN ISO 20344 (EN ISO 20344)
- Test methods for whole footwear	- Art. 5 (5.1, 5.2, 5.3, 5.4, 5.5, 5.8, 5.10, 5.11, 5.12, 5.13, 5.14, 5.15, 5.16, 5.17, 5.19, 5.24)
- Test methods for upper, lining and tongue	- Art. 6 (6.2, 6.6, 6.7, 6.8, 6.12, 6.13)
- Test methods for insole and insock	- Art. 7 (7.1, 7.2, 7.3)
- Test methods for outsole	- Art. 8 (8.1, 8.4, 8.6, 8.7)

Table VI: Test methods and standards used for testing

Test method	Used standard
Footwear for Firefighters - Radiant heat - Flame resistance test - Zipper – Puller attachment strength - Zipper – Lateral strength - Cleat height in the waist area - Heel breast	ČSN EN 15090 (EN 15090) - Art. 7.2 - Art. 7.3 - Art. 7.5.1 - Art. 7.5.2 - Art. 6.7.3, fig. 1 - Art. 6.7.4, fig. 1
Foot and leg protectors - Requirements and test methods for footwear components - Metallic toecaps - Finishing - Determination of impact resistance after environmental treatments	ČSN EN ISO 22568-2 (EN ISO 22568-2) - Art. 4.2 - Art. 5.5
Foot and leg protectors - Requirements and test methods for footwear components - Metallic toecaps - Determination of flexing resistance - Test methods for the assessment non-metallic perforation resistant inserts in critical environment	ČSN EN ISO 22568-4 (EN ISO 22568-4) - Art. 5.2 - Art. 5.3
Safety footwear with resistance to chain saw cutting - Construction	ČSN EN ISO 17249 ed. 2 (EN ISO 17249, EN ISO 17249/AC-02) - Art. 6.3
Leather - Physical and mechanical tests - Determination of tear load - Part 2: Double edge tear	ČSN EN ISO 3377-2 (EN ISO 3377-2)
Rubber or plastic-coated fabrics - Determination of tear resistance - Part 1: Constant rate of tear methods	ČSN EN ISO 4674-1 (EN ISO 4674-1)
Leather - Chemical tests - Determination of pH and difference figure	ČSN EN ISO 4045 (ISO 4045)
Leather - Chemical determination of chromium(VI) content in leather - Part 1: Colorimetric method	ČSN EN ISO 17075-1 (EN ISO 17075-1)
Rubber, vulcanized or thermoplastic - Determination of tear strength - Part 1: Trouser, angle and crescent test pieces	ČSN ISO 34-1 (ISO 34-1)
Rubber, vulcanized or thermoplastic – Determination of abrasion resistance using a rotating cylindrical drum device	ISO 4649
Rubber, vulcanized or thermoplastic - Determination of the effect of liquids)	ČSN ISO 1817 (ISO 1817)
Protective clothing - Protection against heat and fire - Method of test: Evaluation of materials and material assemblies when exposed to a source of radiant heat	ČSN EN ISO 6942 (ISO 6942)
Protective clothing - Protection against heat and flame - Method of test for limited flame spread	ČSN EN ISO 15025 (EN ISO 15025)
Protective clothing for users of hand-held chains-saws - Part 3: Test methods for footwear	ČSN EN ISO 11393-3 (EN ISO 11393-3)
Visual evaluation of marking, classification, information provided by the manufacturer	ČSN EN 15090 Art. 8, 9 ČSN EN ISO 17249 ed. 2 Art. 7, 8 ČSN EN ISO 20345 Art. 7, 8

3.4 Place and scope of sampling

Samples of the assessed product were delivered by the Customer on 2024-02-08 in compliance with instructions of the designated worker of the Notified Body NB 1023 at the quantity of 4 pairs of footwear. With regard to the fact that this is the EU type examination by a notified body, the Customer asking for assessing the conformity is responsible for selecting a sample (or prototype). The test examination does not include inspection activity focused on the conformity of properties of all products introduced to the market with the assessed (proto)type.

3.5 Place of performing the tests and assessment

Tests were performed in the following accredited testing laboratories: AZL No. 1004, Institut pro testování a certifikaci, a.s., Zlín, AZL No. 1040, VÚBP v.v.i., Praha, both Czech Republic; CNAS L0220 Intertek Testing Services Shenzhen Ltd., Guangdong, China, CNAS L4144 PFI Fareas Testing and Technology Services Co., Ltd., Xunmei Industrial Zone, Fujian, China, CNAS L0167 SGS-CSTC Standard Technical Services Co., Ltd., Guangzhou, China. The documentation was examined and visual inspection and product type assessment were performed in Institut pro testování a certifikaci, a.s. Zlín, Czech Republic.

3.6 Results of tests and assessment

Results of the personal protective equipment evaluation are summarised in Table VII. Test methods stated in respective part of Table VI were used.

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Design					
Classification of footwear	ČSN EN 15090 4.1	footwear shall be classified according to tab. 1 EN ISO 15090	leather footwear class I	D1, D3	pass
Design 7200-S7L 7200-S7L (V24)	ČSN EN 15090 4.2	footwear shall conform to one of the designs (from B to E) given in figure 4 EN ISO 20345	design C design C (half-knee boots)	D1, D3	pass
Design 7200-S7L 7200-S7L (V24)	ČSN EN ISO 17249 6.2	footwear shall conform to one of the designs C, D or E given in figure 4 EN ISO 20345	design C design C (half-knee boots)	D1, D3	pass
Type	ČSN EN 15090 4.3	footwear shall conform to one of the type 1, 2 or 3	type 2	D3	pass
Height of protected area – I size 42 size 43 size 45	ČSN EN ISO 17249 6.2	min. 178 mm min. 185 mm min. 192 mm	more than 178 mm more than 185 mm more than 192 mm	D7	pass

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Construction – continuous protective area	ČSN EN ISO 17249 Art. 6.3	shall include upper, tongue, toe area	includes upper, tongue, toe area	D3	pass
Construction – continuous protective area – the safety toecap area	ČSN EN ISO 17249 Art. 6.3	shall include the toe cap	includes the toe cap	D3	pass
Construction – continuous protective area – area behind the toecap - distance between point A to B (indoor/outdoor) size 42 size 43 size 45 - a line parallel to the feather line size 42 size 43 size 45	ČSN EN ISO 17249 Art. 6.3	min. 70 mm max. 10 mm	>70 mm / >70 mm >70 mm / >70 mm >70 mm / >70 mm 0 mm 0 mm 0 mm	D7	pass
Construction – protective area	ČSN EN ISO 17249 Art. 6.3	there shall be no gap between the protective area and the feather line	no gap between the protective area and the feather line	D7	pass
Construction – performance of the protective area	ČSN EN ISO 17249 Art. 6.3	protective material shall be permanently attached to the footwear	protective material is permanently attached to the footwear	D3	pass
Height of upper 7200-S7L size 38 size 42 size 48 7200-S7L (V24) size 42	5.2.2	min. 165 mm min. 178 mm min. 192 mm min. 178 mm	272 mm 285 mm 300 mm 286 mm	D3	pass
Seat region 7200-S7L 7200-S7L (V24)	5.2.2	shall be closed	closed closed	D3	pass
Seat region – holes 7200-S7L 7200-S7L (V24)	5.2.3	for design B, C, D, E without holes below the height of design A	without holes without holes	D3	pass

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Specific ergonomic features 7200-S7L 7200-S7L (V24)	5.3.4	all the answers in the questionnaire shall be positive	all the answers are positive positive	D3	pass
Innocuousness	5.3.6	Information about footwear innocuousness shall be supplied. These information shall be checked	Information has been supplied. It was checked	D3, D4, D22	pass
Water resistance - area of water penetration size 39 size 42	6.2.5	max. 3 cm ²	0 cm ² 0 cm ²	D15	pass
Whole footwear – sole performance					
Construction - footwear with insole	5.3.1.1	insole (if it is used) cannot be removed without damaging the footwear	insole cannot be removed without damaging the footwear	D3	pass
Upper/outsole bond strength	5.3.1.2	min. 4.0 N/mm	4.50 N/mm	D15	pass
Insulation against heat - temperature increase on the insole (after 30 min/150°C) - size 42 - size 45	6.2.3.1 ČSN EN 15090 6.3.1	max. 22°C	8.5°C 4.0°C	D21	pass
Insulation against heat - temperature on the insole (after 10 min / 250°C)	ČSN EN 15090 6.3.1	max. 42°C	39.5°C	D6	pass
Insulation against heat - footwear degradation (after 40 min / 250°C) - cracks in the outsole - upper/outsole, sole layers separation - outsole deformation	ČSN EN 15090 6.3.1	max. damaging according to Annex B.2.1	without cracks without separation without deformation	D6	pass

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Classification according to footwear degradation	ČSN EN 15090 6.3.1	HI ₁ , HI ₂ or HI ₃	HI ₃	D3	pass
Slip resistance - friction coefficient - test condition A - size 36 - size 42 - size 47	5.3.5	min. 0.31	0.41 0.39 0.38	D14	pass
Slip resistance - friction coefficient - test condition B - size 36 - size 42 - size 47	5.3.5	min. 0.36	0.43 0.46 0.48	D14	pass
Slip resistance - friction coefficient - test condition C - size 36 - size 42 - size 47	6.2.10	min. 0.19	0.24 0.22 0.23	D14	pass
Slip resistance - friction coefficient - test condition D - size 36 - size 42 - size 47	6.2.10	min. 0.22	0.32 0.35 0.36	D14	pass
Slip resistance - marking according to test conditions	Table 2 Table 16	without a symbol (A, B) Ø (untested) SR (C, D)	SR	D3	pass
Energy absorption of seat region	6.2.4	min 20 J	43.4 J	D15	pass
Flame resistance – outsole area, edge - after-flame time - after-glow time - performance after test	ČSN EN 15090 6.3.3	max. 2 s max. 2 s permitted damage according to Annex B.2.3	0 s 0 s permitted damage according to Annex B.2.3	D6	pass
Penetration resistance – footwear with non-metallic insert - sole behaviour	6.2.1.1.3	by 1100 N force without penetration without layer separation	without penetration without layer separation	D15	pass

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Construction of the penetration-resistant insert	6.2.1.2	insert cannot be removed without damaging of the footwear	insert cannot be removed without damaging of the footwear	D3	pass
		the insert shall not be skived	it is not skived		
Dimensions of the penetration-resistant insert - dimension (X) - size 38 - size 42 - size 48	6.2.1.3	max. 6.5 mm	0 mm 0 mm 0 mm	D3	pass
Dimensions of the penetration-resistant insert - dimension (Y) - size 38 - size 42 - size 48	6.2.1.3	max. 17 mm	0 mm 0 mm 0 mm	D3	pass
Flex resistance of penetration-resistant insert - appearance after test	6.2.1.4.1	without cracking or layer separation	without cracking without layer separation	D17	pass
Penetration resistance of non-metal antipenetration inserts after ageing, effect of: - high temperature - acid - alkali - fuel oil	6.2.1.4.3	min. 1100 N without penetration	1100 N without penetration without penetration without penetration	D17	pass
Whole footwear – toe, upper protection					
Toe protection General	5.3.2.1	protective toe cap cannot be removed without the boot damaging	the toe cap cannot be removed without the boot damaging	D3	pass
Toe protection General	5.3.2.1	the protective toe cap must be covered by a lining	the toe cap is covered by lining	D3	pass

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Toe protection – covering of the rear edge of the toecap - under the toe cap - in the opposite direction	5.3.2.1	min. 5 mm min. 10 mm	9.0 mm 14.9 mm	D12	pass
Non-metal toecaps Finishing	5.3.2.1	shall fulfil the requirements given in ISO 22568-2:2019, 4.2	fulfil the requirements for finishing	D16	pass
Internal length of toecap of boots - size 41 - size 42 - size 43 - size 45 - size 47	5.3.2.2	min. 39 mm min. 39 mm min. 40 mm min. 42 mm min. 42 mm	39.0 mm 40.0 mm 41.0 mm 43.0 mm 44.0 mm	D16	pass
Toe protection - width of flange - size 39, 41, 42, 43, 45 - size 47	5.3.2.3	max. 15 mm	7.0 mm 8.0 mm	D16	pass
Impact resistance of non-metallic toecaps size 42 – clearance after ageing and impact, effect of - high temperature - low temperature - fuel oil	5.3.2.5 (EN ISO 22568-2)	min. 21.0 mm	27.5 mm 27.5 mm 27.0 mm	D18	pass
Impact resistance of non-metallic toecaps size 42 – performance after ageing and impact, effect of - high temperature - low temperature - fuel oil	5.3.2.5 (EN ISO 22568-2)	without damage ³⁾	without damage without damage without damage	D18	pass
Impact resistance - clearance under toecaps - size 39 - size 42 - size 45	5.3.2.6	min. 13.5 mm min. 14.0 mm min. 15.0 mm	17.1 mm 19.4 mm 19.0 mm	D15	pass
Impact resistance - performance after test - size 39, 42, 45	5.3.2.6	without cracks through the material	without cracks through the material	D15	pass

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Compression resistance - clearance under toecaps - size 39 - size 42 - size 45	5.3.2.7	min. 13.5 mm min. 14.0 mm min. 15.0 mm	18.7 mm 21.2 mm 20.4 mm	D15	pass
Compression resistance performance after test - size 39, 42, 45	5.3.2.7	without cracks through the material	without cracks through the material	D15	pass
Resistance to chain saw cutting - speed of chain - performance after test - level of protection	ČSN EN ISO 17249 Art. 6.4	min. 20 m/s without cut-through of whole protective layer 1, 2 or 3	20 m/s without cut-through of whole protective layer 1	D19	pass
Whole footwear – electric properties, environmental resistance, accessories					
Electrical properties Antistatic footwear, dry atmosphere - size 36 - size 41 - size 45	ČSN EN 15090 6.6.3	$1 \times 10^5 - 1 \times 10^9 \Omega$	$7.80 \times 10^8 \Omega$ $5.90 \times 10^8 \Omega$ $7.05 \times 10^7 \Omega$	D14 D14 D15	pass
Electrical properties Antistatic footwear, wet atmosphere - size 36 - size 42 - size 47	ČSN EN 15090 6.6.3	$1 \times 10^5 - 1 \times 10^9 \Omega$	$4.90 \times 10^7 \Omega$ $2.90 \times 10^8 \Omega$ $5.20 \times 10^6 \Omega$	D14 D14 D15	pass
Cold insulation of sole complex - temperature decrease on the insole - size 39 - size 45	6.2.3.2	max. 10°C	3.0°C 3.0°C	D15	pass
Cold insulation of sole complex - insulation building - size 38 - size 42 - size 48	6.2.3.2	cold insulation cannot be removed without damaging of the footwear	it cannot be removed without damaging of the footwear	D3	pass

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Zippers - zipper construction	ČSN EN 15090 6.8.1	they shall have an interlocking mechanism	they have an interlocking mechanism	D3	pass
Zipper (slide fastener) puller attachment strength	ČSN EN 15090 6.8.2	min. 250 N	389 N	D6	pass
Zipper (slide fastener) lateral strength	ČSN EN 15090 6.8.3	min. 500 N	532 N	D6	pass
Upper – general					
Area with fulfilled upper requirements				D3	pass
7200-S7L - size 38 - size 42 - size 48	5.4.1	min. 119 mm min. 123 mm min. 131 mm	199 mm 205 mm 224 mm		
7200-S7L (V24) - size 42		min. 123 mm	210 mm		
Construction - water resistant upper - 7200-S7L	6.3	non-functional and decorative stitching and perforations shall not be used or property WR shall be met	non-functional and decorative stitching and perforations are not used, property WR is met	D3	pass
Construction - water resistant upper - 7200-S7L (V24)	6.3	non-functional and decorative stitching and perforations shall not be used or property WR shall be met	non-functional and decorative stitching and perforations are not used, property WR is met	D3	pass
Radiant heat – temperature increase - upper (sandwich from shin part) - upper (tongue + closing mechanism)	ČSN EN 15090 6.3.2	max. 24 °C	5.2 °C 2.1 °C	D6	pass
Radiant heat – performance after test - upper (sandwich from shin part) - upper (tongue) - closing mechanism	ČSN EN 15090 6.3.2	no visible damage according to Annex B	no visible damage no visible damage functional	D6	pass

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Flame resistance of upper - after-flame time - smooth leather - patterned leather - reflexive material - sewing - heel and toe protector - heel reinforcement - nomex fabric - closing mechanism	ČSN EN 15090 6.3.3	max. 2 s	0 s 0 s 0 s 0 s 0 s 0 s 0 s 0 s	D6, D15	pass
Flame resistance of upper - after-glow time - smooth leather - patterned leather - reflexive material - sewing - heel and toe protector - heel reinforcement - nomex fabric - closing mechanism	ČSN EN 15090 6.3.3	max. 2 s	0 s 0 s 0 s 0 s 0 s 0 s 0 s 0 s	D6, D15	pass
Flame resistance of upper – performance after test - smooth leather - patterned leather - reflexive material - sewing - heel and toe protector - heel reinforcement - nomex fabric - closing mechanism	ČSN EN 15090 6.3.3	without damage according to B.2.3	without damage without damage without damage without damage without damage without damage without damage without damage according to B.2.3	D6, D15	pass
Upper - Smooth hydrophobic cowhide leather					
Tear strength	5.4.3	min. 120 N	141 N	D9	pass
Water vapour permeability	5.4.6	min. 0.8 mg/(cm ² .h)	1.54 mg/(cm ² .h)	D9	pass
Coefficient of water vapour permeability	5.4.6	min. 15.0 mg/cm ²	35 mg/cm ²	D9	pass
pH value	5.3.6	min. 3.2	3.86	D9	pass
Difference figure	5.3.6	max. 0.7	0.53	D9	pass

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Chromium VI content	5.3.6	max. 3.0 mg/kg	less than 3.0 mg/kg	D9	pass
Water penetration - mass increase of the absorbent cloth after 60 min.	6.3.1	max. 0.2 g	0.01 g	D4	pass
Water desorption	6.3.1	max. 30 %	17.1 %	D4	pass
Upper – Nomex fabric					
Tear strength	5.4.3	min. 60 N	90.4 N	D15	pass
Upper - Scuff cap					
Abrasion resistance – performance after test	6.2.9	without holes through the material	without holes through the material	D15	pass
Collar – Patterned cowhide leather					
Tear strength	5.5.2	min. 60 N	direction A: 92.7 N direction B: 90.4 N	D15	pass
Abrasion resistance - 25600 cycles when dry - 12800 cycles when wet	5.5.3	without holes without holes	without holes without holes	D15	pass
pH value	5.3.6	min. 3.2	3.63	D15	pass
Difference figure	5.3.6	max. 0.7	0.39	D15	pass
Chromium VI content	5.4.9	max. 3.0 mg/kg	2.92 mg/kg	D15	pass
Vamp and quarter lining - Textile with membrane Free-tex new					
Tear strength	5.5.2	min. 15 N	direction A: 38.3 N direction B: 27.5 N	D13	pass
Abrasion resistance - 51200 cycles when dry - 25600 cycles when wet	5.5.3	without holes without holes	without holes without holes	D13	pass
Water vapour permeability	5.5.4	min. 2.0 mg/(cm ² .h)	21.3 mg/(cm ² .h)	D20	pass
Coefficient of water vapour permeability	5.5.4	min. 20.0 mg/cm ²	171 mg/cm ²	D20	pass
Collar and tongue lining - Textile knitwear Mesh					
Tear strength	5.5.2	min. 15 N	direction A: 30.3 N direction B: 24.8 N	D10	pass
Abrasion resistance - 51200 cycles when dry - 25600 cycles when wet	5.5.2	without holes without holes	without holes without holes	D10	pass
Water vapour permeability	5.5.4	min. 2.0 mg/(cm ² .h)	40.0 mg/(cm ² .h)	D10	pass

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Coefficient of water vapour permeability	5.5.4	min. 20.0 mg/cm ²	321 mg/cm ²	D10	pass
Tongue – Smooth cowhide leather					
Tear strength	5.6.2	min. 36 N	141 N	D9	pass
pH value	5.3.6	min. 3.2	3.86	D9	pass
Difference figure	5.3.6	max. 0.7	0.53	D9	pass
Chromium VI content	5.3.6	max. 3.0 mg/kg	less than 3.0 mg/kg	D9	pass
Tongue – Patterned cowhide leather					
Tear strength	5.6.2	min. 36 N	direction A: 140 N direction B: 125 N	D15	pass
pH value	5.6.2	min. 3.2	3.63	D15	pass
Difference figure	5.3.6	max. 0.7	0.39	D15	pass
Chromium VI content	5.6.3	max. 3.0 mg/kg	2.92 mg/kg	D15	pass
Insole – Cut resistant fabric MINGRUIJIA					
Thickness	5.7.1	min. 2.0 mm	4.6 mm	D15	pass
Water absorption	5.7.3	min. 70 mg/cm ²	100 mg/cm ²	D15	pass
Water desorption	5.7.3	min. 80 %	99.9 %	D15	pass
Abrasion resistance - final thickness	5.7.4.1	min. 66% of origin thickness	100 % of origin thickness	D15	pass
Insock – Soft black antistatic plastic covered by patterned textile knitwear HI-poly					
Water absorption	5.7.3	min. 70 mg/cm ²	238 mg/cm ²	D5	pass
Water desorption	5.7.3	min. 80 %	100 %	D5	pass
Abrasion resistance - 25600 cycles when dry - 12800 cycles when wet	5.7.4.2	without holes without holes	without holes without holes	D11	pass
Outsole - Cleated outsole KA-334 PU/RUBBER Michelin					
Outsole classification - density	-	$\rho > 0.9 \text{ g/cm}^3$ $\rho \leq 0.9 \text{ g/cm}^3$	$\rho > 0.9 \text{ g/cm}^3$ -	D3	pass
Tear strength	5.8. 3	min. 8 kN/m	12.5 kN/m	D8	pass
Abrasion resistance	5.8.4	max. 150 mm ³	140 mm ³	D8	pass
Flexing resistance - cut growth	5.8.5	max. 4 mm	3.0 mm	D8	pass
Interlayer bond strength	5.8.7	min. 4.0 N/mm	4.70 N/mm	D8	pass
Fuel resistance - volume growth	6.4.2	(-1) % to 12 %	5.1 %	D15	pass
Outsole thickness d ₁	5.8.2.1	min. 4 mm	10.8 mm	D8	pass

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Cleated area	5.8.2.2	outsole shall be provided with a cleated surface, cleats shall be open to the side	the sole is provided with a pattern, cleat is open to the side	D3	pass
Cleated area - length in the front part - length in the back (heel) part	5.8.2.2	min. 0.45xL min. 0.25xL	0.52xL 0.29xL	D8	pass
Cleat design	ČSN EN 15090 6.7.1	any continuous linear transverse valleys shall not be across the sole	any continuous linear transverse valleys are across the sole	D8	pass
Cleat height - d ₂	ČSN EN 15090 6.7.2	min. 3 mm	5.3 mm	D8	pass
Cleat height in the waist area <u>d</u>	ČSN EN 15090 6.7.3	min. 1.5 mm	1.8 mm	D8	pass
Heel breast	ČSN EN 15090 6.7.4	the outsole shall have an inclined-breast heel	the outsole has an inclined-breast heel	D3	pass
Proportions of heel and waist - distance <u>a</u> - dimension <u>b</u> - ankle <u>α</u>	ČSN EN 15090 6.7.4	min. 35 mm min. 10 mm 90° to 120°	52.1 mm 13.0 mm 103°	D8	pass
Resistance to hot contact	6.4.1	outsoles shall not melt and shall not develop no cracks when bent around the mandrel	no melting no cracks	D8	pass
Marking and information					
Marking	7 ČSN EN 15090 / 8 ČSN EN ISO 17249 / 7	data a) – f) in each halfpair of footwear	published	D3	pass
Marking	ČSN EN 15090 / 8	pictogram for footwear for firefighters	marked on the footwear	D3	pass

Table VII: Results of assessment of product Firefighting Footwear, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)

Properties essential for assessment	Art. of standard ¹⁾	Value required	Results obtained	Number of document ²⁾	Assessment
Marking	ČSN EN ISO 17249 / 7	pictogram for footwear against chain saw cutting	marked on the footwear	D3	pass
Information provided by the manufacturer	8 ČSN EN 15090 / 9 ČSN EN ISO 17249 / 8	information in the official language(s) of the country of destination, general data a) - h), special appropriate details	published	D3	pass

Notes:

- ¹⁾ appropriate articles of ČSN EN ISO 20345 standard
- ²⁾ The documents placed in this column are the basis for assessment. Their identification see in Table VIII
- ³⁾ Without damage, i.e. without layer separation, without cracks showing through

3.7 Assessment of product conformity with technical specifications and basic requirements

The assessed product – Firefighting Footwear according to ČSN EN 15090:2012, Type 2, F2A, HI3, CI, WR, SR, HRO, designed for Firefighters and Firefighting Squads and designed for Working with a Chain Saw, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24), specified in Item 1 hereof – complies with the requirements set by the following technical standard with regard to its design and submitted documentation:

ČSN EN 15090:2012 (EN 15090:2012)

ČSN EN ISO 17249:2014 ed. 2 (EN ISO 17249:2013, EN ISO 17249:2013/AC:2014-02)

ČSN EN ISO 20345:2023 ed. 2 (EN ISO 20345:2022)

Results of the evaluation of the personal protective equipment stated in Table VII hereof prove the conformity of all indicators specifying general basic requirements of Regulation (EU) 2016/425, additional basic requirements common for more types of PPE and additional basic requirements for special risks applicable to the evaluated type of product.

4. Conclusion

Notified Body NB 1023 performed EU Type-Examination of the personal protective equipment

**Firefighting Footwear according to ČSN EN 15090:2012, Type 2, F2A, HI3, CI, WR, SR, HRO, designed for Firefighters and Firefighting Squads and designed for Working with a Chain Saw
Types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24)**

Technical specifications used by the manufacturer are in compliance with basic requirements of Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.



The sample of the personal protective equipment was produced in compliance with the technical documentation of the manufacturer and can be fully safely used for its intended purpose.

The sample of the personal protective equipment meets all the provisions of the Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Notified Body NB 1023 has decided to issue the EU Type-Examination Certificate.

5. List of documents used for the preparation of the Evaluation Report

List of documents used by Notified Body NB 1023 by EC type examination of product, is presented in the Table VIII. Numbers of documents in second column correspond with numbers of documents published in the Table VII. with assessment of product properties.

Table VIII: List of documents

Name of document	Marking
The Application from VM Footwear s.r.o., Strážnice, Czech Republic, dated 2024-02-09	-
Technical documentation of company VM Footwear s.r.o., Strážnice, Czech Republic for product Firefighting Footwear according to ČSN EN 15090:2012, Type 2, F2A, HI3, CI, WR, SR, HRO, designed for Firefighters and Firefighting Squads and designed for Working with a Chain Saw, types: 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1, 7200-S7L CI SC HRO SR F2A, HI3, Type 2, Firefighter, Anticut level 1 (V24) (description of the product, technical specification, instructions for use and maintenance, picture of the product, description of the control and test facilities to be used in the manufacturer's plant) submitted on 2024-02-09	D1
Check list / a list of the basic safety requirements referred to Annex II of Regulation (EU) 2016/425, issued by VM Footwear s.r.o., Strážnice, Czech Republic on 2024-02-07	D2
Document on receipt of samples (ITC Sample Registration Book)	-
EU Type Certificate No. 18 0592 T/NB/b, Notified body NB 1023, ITC Zlín	-
Evaluation Report ref. No. 723302223/2021, Notified body NB 1023, ITC Zlín	
Assessment Record No. 723302601/A, Notified body NB 1023, ITC Zlín	D3
Accredited Laboratory Test Report Ref. No. 343300207-01, issued in testing accredited laboratory AZL 1004, ITC Zlín	D4
Accredited Laboratory Test Report Ref. No. 343300278-02, issued in testing accredited laboratory AZL 1004, ITC Zlín	D5
Accredited Laboratory Test Report Ref. No. 412602613/11, issued in testing accredited laboratory AZL 1004, ITC Zlín	D6
Accredited Laboratory Test Report Ref. No. 412602722, issued in testing accredited laboratory AZL 1004, ITC Zlín	D7
Accredited Laboratory Test Report Ref. No. 412602743/72, issued in testing accredited laboratory AZL 1004, ITC Zlín	D8
Accredited Laboratory Test Report Ref. No. 412603093-25, issued in testing accredited laboratory AZL 1004, ITC Zlín	D9
Accredited Laboratory Test Report Ref. No. 412603223-01, issued in testing accredited laboratory AZL 1004, ITC Zlín	D10
Accredited Laboratory Test Report Ref. No. 412603263-03, issued in testing accredited laboratory AZL 1004, ITC Zlín	D11
Accredited Laboratory Test Report Ref. No. 412603293-04, issued in testing accredited laboratory AZL 1004, ITC Zlín	D12

**Table VIII: List of documents**

Name of document	Marking
Accredited Laboratory Test Report Ref. No. 412603332-03, issued in testing accredited laboratory AZL 1004, ITC Zlín	D13
Accredited Laboratory Test Report Ref. No. 412603698-01, issued in testing accredited laboratory AZL 1004, ITC Zlín	D14
Accredited Laboratory Test Report Ref. No. 412603745-01, issued in testing accredited laboratory AZL 1004, ITC Zlín	D15
Test Report No. GZHT90773877, issued in testing accredited laboratory CNAS No. L0220 Intertek Testing Services Shenzhen Ltd., Guangzhou Branch, China	D16
Test Report No. GZHT91030257, issued in testing accredited laboratory CNAS No. L0220 Intertek Testing Services Shenzhen Ltd., Guangzhou Branch, China	D17
Test Report No. GZHT91139531, issued in testing accredited laboratory CNAS No. L0220 Intertek Testing Services Shenzhen Ltd., Guangzhou Branch, China	D18
Test Report No. GZHT91240634, issued in testing accredited laboratory CNAS No. L0220 Intertek Testing Services Shenzhen Ltd., Guangzhou Branch, China	D19
Test Report – Expertise No. P202079591V1, issued in testing accredited laboratory PFI Fareas Testing and Technology Services Co., Ltd., Fujian, China	D20
Test Report No. SL92329348617701FW, issued in testing accredited laboratory CNAS L0167 SGS-CSTC Standard Technical Services Co., Ltd., Guangzhou, China	D21
Declaration about innocuousness for human health of materials used on the product, issued in company VM Footwear s.r.o., Strážnice, Czech Republic, dated 2024-02-07	D22
Declaration about keeping of material and construct composition of products, issued in company VM Footwear s.r.o., Strážnice, Czech Republic, dated 2024-02-07	D23