



In application of the Regulation (EU) 2016/425 of 9 March 2016 concerning the harmonization of the Member States legislation relative to personal protective equipment, Centexbel Notified body 0493 authorized by the FPS Economy (Federal Public Services) has issued the following:

EU TYPE EXAMINATION CERTIFICATE

Nr. 031/2020/0787

This EU Type examination certificate is valid until 05 Jun 2025

to: **HAVEP, Goirle**
for: **Polo LS 70052**

The personal protective equipment above mentioned satisfies the applicable essential safety requirements of the Regulation (EU) 2016/425.

For the argumentation, the following standards are used:

<i>EN ISO 13688:2013</i>	<i>Protective clothing - General requirements</i>
<i>EN13758-2:2003+A1:2006</i>	<i>Textiles - Solar UV protective properties - part2: Classification and marking of apparel</i>
<i>EN ISO 11612:2015</i>	<i>Protective Clothing - Clothing to protect against heat and flame - Minimum performance requirements</i>
<i>EN 1149-5:2018</i>	<i>Protective clothing - Electrostatic properties - Part 5: Material performance and design requirements</i>
<i>IEC 61482-2:2018</i>	<i>Live working - Protective clothing against the thermal hazards of an electric arc - Part 2: Requirements</i>

This is PPE of category III, subject to regular checks in accordance with article 19 of the European PPE Regulation. In agreement with the manufacturer's choice audits of the production process shall be carried out to assess the Conformity of type (Module D). The manufacturer must be able, on request, to present the audit report. A first audit shall be performed at the latest on 31 Dec 2021 and at least be repeated with intervals of one year.

This declaration applies to the equipment as submitted in the type testing and described in the manufacturer's technical documentation (As described in 2016/425 Annex III) that is registered with number 11604_3.

This certificate has been drawn up in accordance with the general certification regulation of Centexbel which is available via <https://www.centexbel.be>

Issued by Centexbel, Notified Body 0493, in Ghent, on 05 Jun 2020

(Originally Issued by Centexbel, Notified Body 0493, in Ghent, on 05 Jun 2020)



Inge De Witte
Certification Manager

Attached: 1 Annex



ANNEX

EU TYPE EXAMINATION CERTIFICATE Nr. 031/2020/0787

1. Applicant

HAVEP
Bergstraat 50
5051 HC Goirle
Netherlands

2. Description

EN13758-2:2003+A1:2006



EN ISO 11612:2015



A1 B1 C1

EN 1149-5:2018



IEC 61482-2:2018



ATPV = 6.3 cal/cm²

APC = 1

3. Materials and accessories

Outer fabric

- Pique

Cuff

- 1x1 rib 58/35/2/5
- 1x1 rib 60/38/2

Reflective Tape

- 5535

Transfer

- FR transfer Advance FR + pique
- FR transfer Evolution FR + pique

Embroidery

- 100% aramid embroidery

Button

- non metal button 13-1071 FR/18

Seam

- pique seam

Garment

- Polo LS TTW0804



4. Technical documentation

Summary test results

EN ISO 13688:2013 Outer fabric **Pique**

Method	Description	Result	Class
ISO 3071 textile	pH	PASS	
EN 14362-1	Arylamines	PASS	
ISO 5077	Dimensional stability	PASS	

EN13758-2:2003+A1:2006 Outer fabric **Pique**

Method	Description	Result	Class
EN13758-1	UPF	PASS	

EN ISO 11612:2015 Outer fabric **Pique**

Method	Description	Result	Class
ISO 17493	Heat Resistance 180°C	PASS	
ISO 5077	Dimensional change of knitted material	PASS	
ISO 6330	Pre-treatment	PASS	
ISO 5077	Dimensional change of woven textile mat.	/	/
ISO 13938-1 / 13938-2	Burst strength (knitted)	PASS	
ISO 13937-2:2000	Tear strength	/	/
ISO 15797	Pre-treatment	/	/
ISO 13934-1	Tensile strength	/	/
ISO 15025 Procedure A - on original fabric	Flame spread on original fabric Procedure A	PASS	A1
ISO 15025 Procedure A - after pretreatment	Flame spread Procedure A	PASS	A1
ISO 15025 Procedure B - on original material	Flame spread Procedure B	/	/
ISO 15025:2000 Procedure B - after pretreatment	Flame spread on pre-treated fabric Procedure B	/	/
ISO 9151	Convective Heat (B)	PASS	B1
ISO 6942 method B	Radiant Heat (C)	PASS	C1
ISO 9185	Molten Aluminium splash (D)	/	/
ISO 9185	Molten iron splash (E)	/	/
ISO 12127 (250°C)	Contact heat (F)	fail 4.8	

EN 1149-5:2018 Outer fabric **Pique**

Method	Description	Result	Class
ISO 6330	Pre-treatment	PASS	
ISO 15797	Pre-treatment	/	/
EN 1149-3:2004 methode 2	Shielding Factor	PASS	
EN 1149-3:2004 methode 2	Measurement of charge decay	PASS	
EN 1149-1	Surface Resistivity	/	/

IEC 61482-2:2018 Outer fabric **Pique**



Method	Description	Result	Class
ISO 13934-1	Tensile strength	/	/
ISO 5077	Dimensional change of knitted material	PASS	
ISO 6330	Pre-treatment	/	/
ISO 13937-2	Tear strength	/	/
ISO 5077	Dimensional change of woven textile material and laminated material	/	/
ISO 17493:2016	Heat Resistance 180°C	PASS	
ISO 15025:2000 Procedure A	Flame spread Procedure A	PASS	
ISO 13938-1 / 13938-2	Burst strength (knitted)	PASS	
IEC 61482-1-2	Box-test	PASS	APC 1
IEC 61340-2-3:2016	Volume resistance	PASS	
IEC 61482-1-1	Method 1, procedure A and procedure	PASS	ATPV
ISO 15797	Pre-treatment	/	/

EN ISO 11612:2015 Cuff **1x1 rib 58/35/2/5**

Method	Description	Result	Class
ISO 17493	Heat Resistance 180°C	PASS	
ISO 15797	Pre-treatment	/	/
ISO 6330	Pre-treatment	PASS	
ISO 15025 - accessories	Flame spread op hardware + labels, badges, reflective tapes, ...	/	/
ISO 15025 Procedure A - on original fabric	Flame spread on original fabric Procedure A	PASS	
ISO 15025 Procedure A - after pretreatment	Flame spread Procedure A	PASS	

EN ISO 11612:2015 Cuff **1x1 rib 60/38/2**

Method	Description	Result	Class
ISO 15025 - accessories	Flame spread op hardware + labels, badges, reflective tapes, ...	/	/
ISO 17493	Heat Resistance 180°C	PASS	
ISO 15797	Pre-treatment	/	/
ISO 6330	Pre-treatment		
ISO 15025 Procedure A - on original fabric	Flame spread on original fabric Procedure A	PASS	
ISO 15025 Procedure A - after pretreatment	Flame spread Procedure A	PASS	

EN ISO 11612:2015 Reflective Tape **5535**

Method	Description	Result	Class
ISO 17493	Heat Resistance 180°C	PASS	
ISO 6330	Pre-treatment	PASS	
ISO 15797	Pre-treatment	/	/
ISO 15025 - accessories	Flame spread op hardware + labels, badges, reflective tapes, ...	PASS	

EN ISO 11612:2015 Transfer **FR transfer Advance FR + pique**

Method	Description	Result	Class
ISO 15797	Pre-treatment	/	/
ISO 15025 - accessories	Flame spread op hardware + labels, badges, reflective tapes, ...	PASS	
ISO 6330	Pre-treatment	PASS	



EN ISO 11612:2015 Transfer **FR transfer Evolution FR + pique**

Method	Description	Result	Class
ISO 15797	Pre-treatment	/	/
ISO 15025 - accessories	Flame spread op hardware + labels, badges, reflective tapes, ...	PASS	
ISO 6330	Pre-treatment	PASS	

EN ISO 11612:2015 Embroidery **100% aramid embroidery**

Method	Description	Result	Class
ISO 15025 - accessories	Flame spread op hardware + labels, badges, reflective tapes, ...	PASS	
ISO 6330	Pre-treatment	/	/
ISO 15797	Pre-treatment	/	/

EN ISO 11612:2015 Button **non metal button 13-1071 FR/18**

Method	Description	Result	Class
ISO 15025 - accessories	Flame spread op hardware + labels, badges, reflective tapes, ...	PASS	
ISO 17493	Heat Resistance 180°C	PASS	
ISO 6330	Pre-treatment	PASS	
ISO 15797	Pre-treatment	/	/

EN ISO 11612:2015 Seam **pique seam**

Method	Description	Result	Class
ISO 15025 seam	Flame spread on seam	PASS	
ISO 13935-2	Seam strength	PASS	
ISO 6330	Pre-treatment	PASS	
ISO 13938-1 / 13938-2	Burst strength (knitted)	PASS	
ISO 15797	Pre-treatment		

IEC 61482-2:2018 Garment **Polo LS TTW0804**

Method	Description	Result	Class
IEC 61482-1-2	Box-test	PASS	APC 1
IEC 61482-1-1	Method 1, procedure A and procedure	PASS	ATPV
ISO 15797	Pre-treatment	/	/
ISO 6330	Pre-treatment	PASS	

Description/Picture of article

Article **Polo LS 70052**



The above picture is a general picture of the article. Possible variations of the above article can be present in the technical file.

Note :

Any modification in material, design, or other technical features must be brought to the attention of the Notified Body.