



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. 351/2018/1135

This EU Type examination certificate is valid until 19 Jun 2023

to: **JF Oliveira Importacao Exportacao Lda, Benavente**
for: **High Visibility Working Vest HEN01**
(Only for products produced by TW)

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:

EN ISO 13688:2013	Protective clothing - General requirements
EN ISO 20471:2013+A1:2016	High visibility clothing - Test methods and requirements

If there is a former EC Type examination certificate according to the Directive 89/686/EEC this certificate remains valid until 21 April 2023 unless it expires before that date, for products that were manufactured before the issuance of this new EU Type examination certificate according to the Regulation (EU) 2016/425.

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 10632_2.

Issued by Centexbel, Notified Body 0493^(*), in Ghent, on 19 Jun 2018
(Originally issued by Centexbel, Notified Body 0493^(), in Ghent, on 19 Jun 2018)*

Inge De Witte
Certification Manager

Attached: 1 Annex

ANNEX

EU TYPE EXAMINATION CERTIFICATE Nr. 351/2018/1135

1. Applicant

JF Oliveira Importacao Exportacao Lda
Urb Ind Qunta Verde LT 3 Armazém 1 E 2 Apartado 101
2131-901 Benavente
Portugal

2. Description

EN ISO 20471:2013+A1:2016



3. Materials and accessories

Reflective Tape

- 2925 Silver Tape
- 5510 Comfort Trim
- 8710 Silver Transfer Film
- 8906 Silver Fabric Trim
- 8910 Silver Fabric
- 8912 Silver Fabric
- CS-4003
- CSR-1303
- D1002
- D5501
- UL-321

Fluorescent material

- YD-014 HV Yellow Knitted Fabric 100% Polyester
- YD-015 HV Orange Knitted Fabric 100% Polyester



4. Technical documentation

Summary test results

EN ISO 20471:2013+A1:2016 Reflective Tape **8910 Silver Fabric**

Method	Description	Result	Class
CIE54.2	Retroreflective performances	PASS	

EN ISO 20471:2013+A1:2016 Reflective Tape **CSR-1303**

Method	Description	Result	Class
CIE54.2	Retroreflective performances	PASS	

EN ISO 20471:2013+A1:2016 Reflective Tape **2925 Silver Tape**

Method	Description	Result	Class
CIE54.2	Retroreflective performances	PASS	

EN ISO 20471:2013+A1:2016 Reflective Tape **5510 Comfort Trim**

Method	Description	Result	Class
CIE54.2	Retroreflective performances	PASS	

EN ISO 20471:2013+A1:2016 Reflective Tape **8710 Silver Transfer Film**

Method	Description	Result	Class
CIE54.2	Retroreflective performances	PASS	

EN ISO 20471:2013+A1:2016 Reflective Tape **8906 Silver Fabric Trim**

Method	Description	Result	Class
CIE54.2	Retroreflective performances	PASS	

EN ISO 20471:2013+A1:2016 Reflective Tape **8912 Silver Fabric**

Method	Description	Result	Class
CIE54.2	Retroreflective performances	PASS	

EN ISO 20471:2013+A1:2016 Reflective Tape **UL-321**

Method	Description	Result	Class
CIE54.2	Retroreflective performances	PASS	

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Technologiepark 7 • BE 9052 Gent • Belgium • phone +32 9 220 41 51 • fax +32 9 220 49 55 • gent@centexbel.be • www.centexbel.be

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EN ISO 20471:2013+A1:2016 Reflective Tape **D1002**

Method	Description	Result	Class
CIE54.2	Retroreflective performances	PASS	

EN ISO 20471:2013+A1:2016 Reflective Tape **CS-4003**

Method	Description	Result	Class
CIE54.2	Retroreflective performances	PASS	

EN ISO 20471:2013+A1:2016 Reflective Tape **D5501**

Method	Description	Result	Class
CIE54.2	Retroreflective performances	PASS	

EN ISO 13688:2013 Fluorescent material **YD-014 HV Yellow Knitted Fabric 100% Polyester**

Method	Description	Result	Class
EN 14362-1:2003	Arylamines	PASS	
ISO 1413 textiel	pH	PASS	
ISO 5077	Dimensional stability	PASS	

EN ISO 13688:2013 Fluorescent material **YD-015 HV Orange Knitted Fabric 100% Polyester**

Method	Description	Result	Class
ISO 1413 textiel	pH	PASS	
ISO 5077	Dimensional stability	PASS	
EN 14362-1:2003	Arylamines	PASS	

EN ISO 20471:2013+A1:2016 Fluorescent material **YD-014 HV Yellow Knitted Fabric 100% Polyester**

Method	Description	Result	Class
ISO 13938-1 or ISO 13938-2 50cm ² or 3.7cm ²)	Burst strength (knitted)	PASS	
ISO 105 X12 fluo	Colour fastness to rubbing	PASS	
ISO 105 C06	Colour fastness by washing	PASS	
EN 31092 - ISO 5085-1	Thermal resistance Rct	/	/
ISO 105 D01	Colour fastness to dry-cleaning	/	/
Chromaticity after xenon	Chromaticity after xenon	PASS	
EN 31092	Water vapour resistance Ret	/	/
ISO 105 E04	Colourfastness to perspiration	PASS	
ISO 105 X11	Colourfastness to ironing	/	/
ISO 5077	Dimensional stability	PASS	
Chromaticity on original	Chromaticity on original	PASS	

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ISO 105 N01	Colour fastness by bleaching	/	/
Chromaticity after maximum number of washing cycles	Chromaticity after maximum number of washing cycles	PASS	

EN ISO 20471:2013+A1:2016 Fluorescent material **YD-015 HV Orange Knitted Fabric 100% Polyester**

Method	Description	Result	Class
ISO 5077	Dimensional stability	PASS	
Chromaticity on original	Chromaticity on original	PASS	
ISO 105 N01	Colour fastness by bleaching	/	/
Chromaticity after maximum number of washing cycles	Chromaticity after maximum number of washing cycles	PASS	
EN 31092	Water vapour resistance Ret	/	/
ISO 105 E04	Colourfastness to perspiration	PASS	
ISO 105 X11	Colourfastness to ironing		
ISO 13938-1 or ISO 13938-2 50cm ² or 3.7cm ²)	Burst strength (knitted)	PASS	
ISO 105 X12 fluo	Colour fastness to rubbing	PASS	
ISO 105 C06	Colour fastness by washing	PASS	
EN 31092 - ISO 5085-1	Thermal resistance Rct	/	/
ISO 105 D01	Colour fastness to dry-cleaning		
Chromaticity after xenon	Chromaticity after xenon	PASS	

Description/Picture of article

Article **High Visibility Working Vest HEN01**
(Only for products produced by TW)



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.