



## EU TYPE-EXAMINATION CERTIFICATE

no: AC 23083

Pursuant to Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016,

**CERTOTTICA Srl**

**Italian Institute for the certification of optical products**  
**Notified body under PPE Regulation with identification number: 0530**

considering application for EU type-examination no. 23102 submitted on 31/05/2023

### CERTIFIES THAT

the following personal protective equipment type

**Personal eye protector - Spectacle**  
**5X1**

submitted by

**Univet S.r.l.**  
**Via Verdi, 11 - 24121 Bergamo - ITALY**

meet the essential health and safety requirements which apply to it.

Description of the personal protective equipment model, references to the standards, test results and description of the CE marking placed on the equipment are described on pages 2, 3 and 4 of this document.

First issued on: 23/06/2023

Renewal or revision date: /

Expiry date: 22/06/2028

Longarone, 23/06/2023

Certification Services Manager  
(Giorgio Sommariva)

Longarone

S.C.R.L.

This document has no. 4 numbered pages.

**1. Description of the Personal Protective Equipment**

Identification of the PPE: 5X1  
Trade name: UNIVET  
Kind of equipment: Personal eye protector - Spectacle  
Ocular Material: Polycarbonate  
Frame Material: Polycarbonate, Polyamide and TPE  
In compliance with Standard(s): EN 166:2001 and EN 175:1997  
PPE Category: II  
Field(s) of use: Protection against high-speed particles (with or without extremes of temperature) - Low energy;  
Protection against optical radiation - Welding filters (Green 3 and Green 5 oculars); Protection against optical radiation - Ultraviolet filters (Clear, Clear with In&Out, Green 15, Yellow and Orange oculars); Protection against optical radiation - Sunglare filters for industrial use (Green 15 and Clear in&Out oculars); Resistance to: surface damage by fine particles and fogging.

**Note:** Eye-protector model 5X1 is in eleven variants: with Clear ocular - codes 5X1.03.00.00, 5X1.03.01.00 and 5X1.03.03.00 (protection against: high speed particles at extremes of temp. and optical radiation - ultraviolet filters with resistance to: surface damage by fine particles and fogging), with Green 3 ocular - code 5X1.00.00.30 (protection against: high-speed particles and optical radiation - welding filters - compliance with EN 175 standard), with Green 5 ocular - code 5X1.00.00.50 (protection against: high speed particles and optical radiation - welding filters - compliance with EN 175 standard), with Green 15 ocular - codes 5X1.03.00.05, 5X1.03.01.05 and 5X1.03.03.05 (protection against: high speed particles at extremes of temp. and optical radiation - ultraviolet filters and sunglare filters with resistance to: surface damage by fine particles and fogging), with Yellow ocular - codes 5X1.00.00.03 and 5X1.00.01.03 (protection against: high speed particles at extremes of temp. and optical radiation - ultraviolet filters), with Orange ocular - 5X1.03.01.04 (protection against: high speed particles at extremes of temp. and optical radiation - ultraviolet filters with resistance to: surface damage by fine particles and fogging), with Clear with water repellent treatment ocular - code 5X1.04.00.00 (protection against: high speed particles at extremes of temp. and optical radiation - ultraviolet filters), with Clear with In&Out treatment ocular - code 5X1.30.00.00 (protection against: high speed particles at extremes of temp. and optical radiation - ultraviolet filters and sunglare filters), with Clear with anti-reflex treatment - 5X1.40.02.00 - (protection against: high speed particles at extremes of temp. and optical radiation - ultraviolet filters), with Clear ocular and flat temples - code 5X1Z.03.00.00 (protection against: high speed particles at extremes of temp. and optical radiation - ultraviolet filters with resistance to: surface damage by fine particles and fogging) and with Green 15 ocular and flat temples - code 5X1Z.03.00.05 (protection against: high speed particles at extremes of temp. and optical radiation - ultraviolet filters and sunglare filters with resistance to: surface damage by fine particles and fogging).

Manufacturer's name: Univet S.r.l.  
Manufacturer's address: Via Verdi, 11 - 24121 Bergamo - ITALY  
Authorised representative's name: /  
Authorised representative's address: /  
Certificate's holder: Univet S.r.l.  
Holder's address: Via Giovanni Prati, 87 - 25086 Rezzato (BS) - ITALY



## 2. Levels of protection offered by the PPE

Applicable harmonised standards/technical specifications:

EN 166:2001 - Personal eye-protection - Specifications

EN 169:2002 - Personal eye-protection - Filters for welding and related techniques - Transmittance requirements and recommended utilisation

EN 170:2002 - Personal eye-protection - Ultraviolet filters - Transmittance requirements and recommended use

EN 172:1994/A1:2000/A2:2001 - Personal eye-protection - Sunglare filters for industrial use

EN 175:1997 - Personal eye-protection - Equipment for eye and face protection during welding and allied processes

Personal protection equipment model: 5X1

complies with the basic requirements and with the following additional requirements provided for by the harmonised standard(s)/technical specification(s) for the particular use of this PPE in the foreseeable conditions of use :

EN 166:2001 and EN 175:1997

Protection against high-speed particles - Low energy impact (EN 175 compliance);

Protection against high-speed particles at extremes of temperature - Low energy impact;

Resistance to surface damage by fine particles (Clear, Green 15 and Orange oculars);

Resistance to fogging of oculars (Clear, Green 15 and Orange oculars).

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Moreover, the personal protection equipment complies with the specific requirements provided for by the connected harmonised standard(s)/technical specification(s) for the particular fields of use:

EN 169, EN 170 and EN 172

The eye-protector model 5X1 with the Green3 and Green 5 ocular variants is designed for protection against optical radiation - welding filters; The eye-protector model 5X1 with the Clear, Green 15, Yellow, Orange and Clear with In&Out treatment ocular variants is designed for protection against optical radiation - ultraviolet filters; The eye-protector model 5X1 with the Green 15 and Clear In&Out treatment ocular variants is designed for protection against optical radiation - ultraviolet filters.

## 3. Test and examinations results are covered by the following test reports:

|            |                 |            |
|------------|-----------------|------------|
| CERTOTTICA | 226505 ÷ 226514 | 02/12/2022 |
| CERTOTTICA | 226527 - 226528 | 07/12/2022 |
| CERTOTTICA | 230358          | 27/01/2023 |
| CERTOTTICA | 230327          | 24/02/2023 |
| /          | /               |            |
| /          | /               |            |
| /          | /               |            |
| /          | /               |            |
| /          | /               |            |



**4. The marking elements reproduced on the oculars are the following:**

|                                                  |                                          | Ocular 1       | Ocular 2 |
|--------------------------------------------------|------------------------------------------|----------------|----------|
| Variant                                          | Clear and Yellow oculars   Orange ocular | 2C-1,2   2-1,4 | /        |
| Scale Number                                     | Green 15 ocular                          | 2C-3 5-3,1     | /        |
|                                                  | Clear with In&Out treatment ocular       | 2C-1,7 5-1,7   | /        |
|                                                  | Green 3 ocular   Green 5 ocular          | /              | 3   5    |
| Manufacturer's Identification                    |                                          | U              | U        |
| Optical class                                    |                                          | 1              | 1        |
| Standard of reference                            |                                          |                |          |
| Symbol of Mechanical Resistance                  |                                          | FT             | F        |
| Resistance to surface damage by fine particles * |                                          | K              | /        |
| Resistance to fogging of oculars *               |                                          | N              | /        |
| /                                                |                                          | /              | /        |
| /                                                |                                          | /              | /        |
| /                                                |                                          | /              | /        |
| CE Marking                                       |                                          | CE             | CE       |

Marking position: On the front ocular side, in the left lateral position.

\* Only for Clear, Green 15 and Orange oculars.

**5. The Marking elements reproduced on the frame are the following:**

|                                                                                        |             |
|----------------------------------------------------------------------------------------|-------------|
| Manufacturer's Identification                                                          | U           |
| Reference standard                                                                     | 166 end 175 |
| Protection against high-speed particles - Low energy impact (EN 175 compliance)        | F           |
| Protection against high-speed particles at extremes of temperature - Low energy impact | FT          |
| /                                                                                      | /           |
| /                                                                                      | /           |
| /                                                                                      | /           |
| CE Marking                                                                             | CE          |

Marking position: On the left temple, inner position in compliance with EN 175 standard (U 175 F).

position: On the right temple, inner position in compliance with EN 166 standard (U 166 FT).

**6. Statement for category III PPE:**

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**Terms and conditions under which the Certificate is issued**

- Marking and instructions have been examined in Italian. Obtaining and supplying versions in languages accepted by the countries where the product is sold are under the complete responsibility of the Manufacturer or of his authorized representative.
- Any changes to the product, to the technical documentation or, in set cases, to the manual or to the quality control procedures, shall be notified in time to Certottica.
- The Manufacturer or his authorized representative shall respect the procedures and rules provided for by Certottica for the issuing of the EU type-examination.
- Copies of this EU type-examination certificate, supplied to third parties, shall be reproduced in their entirety.
- This EU type-examination certificate shall be kept by the Manufacturer to be shown, on request, to the market surveillance authorities.
- This EU type-examination certificate remains property of Certottica, which can ask it to be returned if any of the above mentioned conditions is not respected.

