



# CERTOTTICA

Istituto Italiano per la Certificazione dei Prodotti Ottici Scarl  
Loc. Villanova Zona Industriale - 32013 LONGARONE BL  
Tel.: +39 0437 573157 - TeleFAX: +39 0437 573131  
**Web:** www.certottica.it    **E-mail:** info@certottica.it

Page 1 / 5  
Rep. No. 142912

## TEST REPORT

Client:	BOLLE' PROTECTION
Address:	95 rue Louis Guérin - 69 100 VILLEURBANNE FRANCE
Article:	Spectacles
Model:	COMBAT - Clear oculars
Job no.:	C140884
Report no.:	142912
Receiving Date:	22/07/2014
Date of Test Begin:	28/07/2014
Date of Test End:	07/08/2014
Issuing Date:	07/08/2014
Standard Applied:	EN 166:2001 - Personal eye-protection - Specifications

Note 1: This test report is valid only for the tested samples and any changes can be made only with the issuance of a new test report.

Note 2: The partial reproduction of this test report is forbidden without written permission of Certottica.

Note 3: The tests were performed on samples sent by client.

Note 4: This test report is an official document digitally signed according to the current Italian law.

Note 5: The declared uncertainty of the measure is expressed double the spread (which corresponds, in the case of a normal distribution, to a confidence level of about the 95%).

## Optical Tests

### Resistance to surface damage by fine particles

#### Clause 7.3.1

#### Requirements

**Note:** This is not a resistance to abrasion test.

The ocular is fixed onto a revolving plate. Whilst the plate is rotated, 3 Kg of grain size quartz sand with between 500 and 710  $\mu\text{m}$  is tickled onto the sample.

The test of the light diffusion is performed after the abrasion according to the basic method. The Reduced Luminance Factor,  $\ell^*$ , of the sample must be less than  $5 \text{ cd m}^{-2} \text{ lx}^{-1}$ .

#### Outcomes

The measurement values of  $\ell^*$  and the results of their related tests are:

Sample	$\ell^*$ ( $\text{cd m}^{-2} \text{ lx}^{-1}$ )	Test
142912 41sx	2.01	Pass
142912 42dx	1.82	Pass
142912 43sx	2.08	Pass
142912 44dx	1.71	Pass

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## Mechanical Tests

### Resistance to fogging of oculars

#### Clause 7.3.2

#### Requirements

**Note:** This test does not assess resistance to fogging of the complete of the complete eye-protector.

The oculars shall remain free from fogging for a minimum of 8 s when tested according to clause 16 of EN 168:2001.

#### Outcomes

The tested samples have given the following results:

Sample	Time (s)	Test
142912 37sx	32	Pass
142912 38dx	35	Pass
142912 39sx	28	Pass
142912 40dx	30	Pass

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Figure 1: Specimen picture.

Laboratories Technical Manager: Giorgio Sommariva