

TEST REPORT

Mechanical & Hardgoods Laboratory

Report No. : YA30020A/2018

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Date : OCT. 31, 2018

Pro-Sight Optical Co., LTD

NO.30, Ln.9, Fude St., Luzhu Dist., Kaohsiung 82146, TAIWAN

The following merchandise was submitted and identified by the applicant as:

Product Description: Prescription anti-fog layer

We have tested the submitted sample(s) as requested and the following results were obtained:

- Test Requested:
1. ANSI/ISEA Z87.1-2015 American National Standard for Occupational and Educational Personal Eye and Face Protection Devices- Section 5.2.1 Drop Ball Impact Resistance
 2. EN 166:2002 Personal eye protection--Specifications Clause 7.3.2 Resistance to fogging of oculars

Test Method & Result: --- Please refer to the following page(s) ---

Date of Receipt: MAR. 09, 2018

Testing Period: MAR. 09 ~ 16, 2018

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Signed for and on behalf of
SGS Taiwan Ltd.

Owen Cheng

Owen Cheng
Manager



Laboratory address:
61, Kai-Fa Road, Nanzih Export Processing Zone, 81170, Kaohsiung, Taiwan

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Test Method & Result:

1. ANSI/ISEA Z87.1-2015 American National Standard for Occupational and Educational Personal Eye and Face Protection Devices

Section

5.2.1 Drop Ball Impact Resistance

When tested in accordance with Section 9.6, the protector shall fail if any of the following occur when impacted by a 25.4 mm (1 in.) diameter steel ball when dropped from a height of 127 cm (50 in.) :

- ☐ lens (lens only) fractures
- ☐ piece fully detached from the inner surface
- ☐ projectile penetrates the inner surface
- ☐ lens not retained

Finding

Sample	Test Result
No. 01	Pass
No. 02	Pass
No. 03	Pass
No. 04	Pass
No. 05	Pass
No. 06	Pass
No. 07	Pass
No. 08	Pass

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Test Method & Result:

2. EN 166:2002 Personal eye protection--Specifications

Clause

7.3.2 Resistance to fogging of oculars

Result

Pass

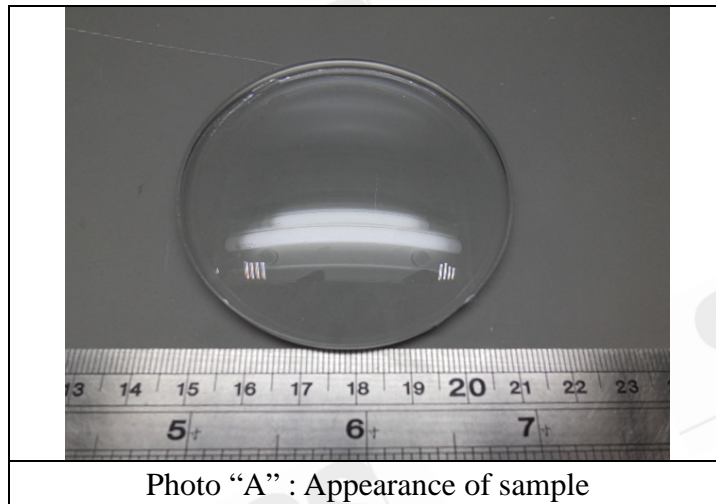
Finding

Sample	Test Method	Test Result
No. 09	To measure the change in the value of the transmittance τ_r the sample is placed on the seating ring and the time determined until the square of τ_r has dropped to less than 80% of the initial value of the sample without fogging (time without fogging)	> 8 s
No. 10		> 8 s
No. 11		> 8 s
No. 12		> 8 s

Remark:

- a) Testing Machine: YT-810 Resistance to fogging tester
- b) Test temperature: 50°C

– Picture(s) –



--- End of Report ---