

## TEST REPORT

Mechanical & Hardgoods Laboratory

Report No. : YN0041/2018

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Date : NOV. 21, 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: EYE PROTECTOR

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

Test Requested: MIL-PRF-32432A MILITARY COMBAT EYE PROTECTION (MCEP)  
SYSTEM (11 September, 2018)  
Clause 3.8.4 Ballistic fragmentation characteristics

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


Date of Receipt: NOV. 13, 2018

Testing Period: NOV. 13 ~ 21, 2018

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

Signed for and on behalf of  
SGS Taiwan Ltd.

  
Owen Cheng  
Manager



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**Test Method & Result:**

**With reference to MIL-PRF-32432A**

**Section**

3.8.4 Ballistic fragmentation characteristics.

3.6.3.1 Ballistic fragmentation protection, Class 1 and Class 1a spectacles

The spectacles shall provide ballistic fragmentation protection in all configurations. Spectacles shall be sufficiently durable to remain intact (i.e., all components required for protection and proper retention of the eyewear remain attached) upon/after impact.

Result

Pass

**Test condition**

Device Class	Projectile Type	Velocity Range
Class 1	0.15 caliber, 5.85 (+/- 0.15) grain, T37 shaped projectile	700 to 725 ft./sec

The test shall be considered a failure if one or more of the following occur

- 1) if the witness sheet is perforated or if there is a complete penetration of the test item,
- 2) if the primary lens is cracked, fractured, or shattered,
- 3) if one or more fragments become dislodged on the inside of the eyewear (to include coatings)
- 4) if an eyewear component needed to retain the eyewear on the head becomes completely separated from the eyewear
- 5) if the primary lens becomes completely separated from the frame or if the eyewear falls off the head form
- 6) (for laminated lens structures only), if the lens delaminates and results in a loose flap of material larger than the diameter of the projectile on the rear surface of the system
- 7) if the primary lens separates from the frame to such a degree as to allow passage of a 5.85(±.15) grain FSP

**Finding**

Determined	Remark
7 out of 7 Passed	None of the defects listed above were discovered on samples after testing.

**Remark:** 1. Experiment temperature / humidity = 23±5°C / 50±20% R.H.

2. 7 samples were provided by applicant to be assessed.

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– Picture(s) –



Photo "A" : Appearance of sample (front view)

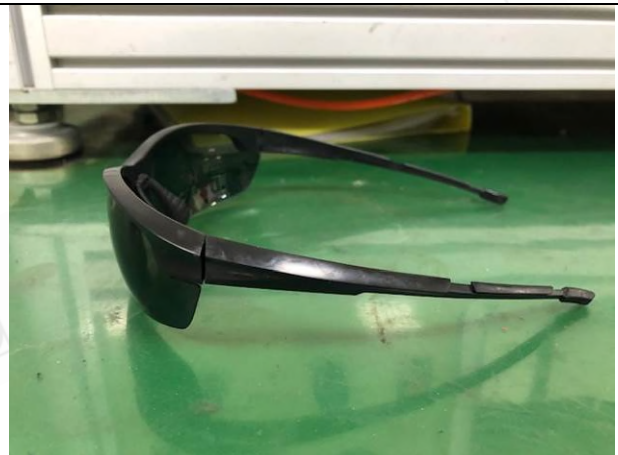


Photo "B" : Appearance of sample (side view)



Photo "C" : Appearance of samples



Photo "D" : After test

--- End of Report ---