

TEST REPORT

Hardline Laboratory

Report No. : YAC0110/2024

Page : 1 of 4

Date : DEC. 26, 2024

Guangzhou Somta Optical Technology Co., Ltd.

First Building, NO.12 Yucai Road, Shiling Town, Huadu District, Guangzhou City, China 510860

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

Product Description: Tactical Goggles

Style/Item No: UM028/UM028

SGS Reference No.: NBHL2412028134SG

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


Test Requested: Ballistic resistance

Test Method & Result: --- See following sheet(s) ---

Date of Receipt: DEC. 17, 2024

Testing Period: DEC. 17 ~ 26, 2024

Signed for and on behalf of
SGS Taiwan Ltd.


Justin Yang
Asst. Supervisor



Testing site:

7F., No. 6, Central 4th Road, Qianzhen Dist., Kaohsiung City, Taiwan

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Test Method & Result**Ballistics Resistance**Test Method

Refer to Clause 4.8.5 Ballistic fragmentation protection, Class 2 of MIL-PRF-32432A (11 September 2018)

Sample: SMOKE

Sample: CLEAR

Sample: YELLOW

ResultPassPassPass

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 (\pm .15) grain FSP

Test Condition

Device Class	Projectile Type	Velocity Range	Impact points
Class 2	0.22 caliber, 17 (+/- 0.15) grain, T37 shaped projectile	580 to 590 ft./sec	The left and right critical areas and in the center at the vertical center line (0 degree obliquity)

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Finding

Sample: SMOKE

Test result

- | | |
|----|--|
| 01 | None of the defects listed above were discovered on samples after testing. |
| 02 | None of the defects listed above were discovered on samples after testing. |
| 03 | None of the defects listed above were discovered on samples after testing. |
| 04 | None of the defects listed above were discovered on samples after testing. |
| 05 | None of the defects listed above were discovered on samples after testing. |
| 06 | None of the defects listed above were discovered on samples after testing. |
| 07 | None of the defects listed above were discovered on samples after testing. |
| 08 | None of the defects listed above were discovered on samples after testing. |
| 09 | None of the defects listed above were discovered on samples after testing. |
| 10 | None of the defects listed above were discovered on samples after testing. |

Sample: CLEAR

Test result

- | | |
|----|--|
| 01 | None of the defects listed above were discovered on samples after testing. |
| 02 | None of the defects listed above were discovered on samples after testing. |
| 03 | None of the defects listed above were discovered on samples after testing. |
| 04 | None of the defects listed above were discovered on samples after testing. |
| 05 | None of the defects listed above were discovered on samples after testing. |
| 06 | None of the defects listed above were discovered on samples after testing. |
| 07 | None of the defects listed above were discovered on samples after testing. |
| 08 | None of the defects listed above were discovered on samples after testing. |
| 09 | None of the defects listed above were discovered on samples after testing. |
| 10 | None of the defects listed above were discovered on samples after testing. |

Sample: YELLOW

Test result

- | | |
|----|--|
| 01 | None of the defects listed above were discovered on samples after testing. |
| 02 | None of the defects listed above were discovered on samples after testing. |
| 03 | None of the defects listed above were discovered on samples after testing. |
| 04 | None of the defects listed above were discovered on samples after testing. |
| 05 | None of the defects listed above were discovered on samples after testing. |
| 06 | None of the defects listed above were discovered on samples after testing. |
| 07 | None of the defects listed above were discovered on samples after testing. |
| 08 | None of the defects listed above were discovered on samples after testing. |
| 09 | None of the defects listed above were discovered on samples after testing. |
| 10 | None of the defects listed above were discovered on samples after testing. |

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- Remark:**
1. The content of this report is invalid if it is not presented as the entire report.
 2. The decision rule of the statements of conformity is following the ILAC G8:09/2019 by using the simple acceptance decision rule.

- Picture(s) -

	
Photo "A" Appearance of smoke sample (front view)	Photo "B" Appearance of smoke sample (side view)
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Photo "C" Appearance of clear, yellow sample	---

--- End of Report ---

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