

# TEST REPORT

**2024CO1733**

## DATE OF RECEPTION

*Date Format: dd/MM/yyyy* 11/03/2024

## DATE TESTS

Starting: 13/03/2024

Ending: 14/03/2024

## APPLICANT

STERGIOPOULOS LEGEND SINGLE MEMBER P.C  
28th OCTOBER 152  
GR-56121 THESSALONIKI (THESSALONIKI)  
Greece

Att. CHRIS STERGIOPOULOS

## IDENTIFICATION AND DESCRIPTION OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2024CO1733-S01	Legend Ballistic Helmet Dias	Helmets

## TESTS CARRIED OUT

- BALLISTIC RESISTANCE TEST.

Tests marked with \* are not included within the scope of the ENAC accreditation.





## DESCRIPTION OF SAMPLES



**Reference by AITEX:** 2024CO1733-S01

**Reference by customer:**

Legend Ballistic Helmet Dias

**AITEX sample description:**

Helmet

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# RESULTS

## BALLISTIC RESISTANCE TEST

### Standard

NIJ 0106.01 Point 5.2.

### Standard deviation

The complete test for classification is not carried out. On request of the client, one helmet to be tested for the ballistic penetration test with the ammunition .357 SIG at velocity 448 m/s, dry test.

### Classification level

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### Apparatus

Shooting range

### Reference

2024CO1733-S01

### Sample description

Complete helmet in green colour with trim, damping system and harness. The complete helmet is 1329 g weight; and its shell is 9.1 mm thick. AITEX does not know the composition of the sample.

### Sample conditioned

More than 24 h in test conditions

### Pretreatment

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### Velocity measurement

The velocity measurement is done by light barriers and by radar. The velocity in the impact point is shown in the table of results measured by the optical barriers.

### Handload velocity test

OK

### Impacts position

According to the standard NIJ 0106.01

### Test shot distance

5 m

### Strapping arrangement

Holded to the head form by the harnesses.

### Requirements

Penetration by any fair hit shall constitute a failure.

### Test date

14/03/2024

### Test conditions

19.4°C / 42.1% R.H

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## Results

### Caliber 1

.357 SIG TMJ FN 8.1 g SPEER Ref.4362 at velocity (448±9.1) m/s

POSITION	ANGLE	VELOCITY	FAIR HIT (Yes/No)	PERFORATION (Yes/No)
Front	0 °	454,2	Yes	No
Front	0 °	457,5	Yes	No
Right Side	0 °	455,8	Yes	No
Left side	0 °	461,5	Yes	No

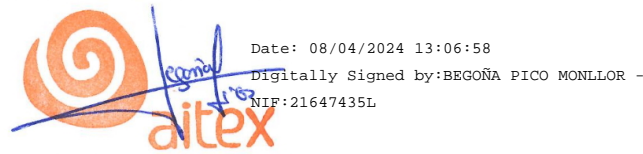
### Test uncertainty

± 1.0 m/s in the velocity measurement

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**Begoña Picó**  
Head of Public Tenders Division



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