

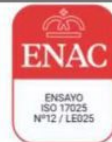
## IDENTIFICATION AND DESCRIPTION OF SAMPLES

REFERENCE	REFERENCE PROVIDED BY THE CUSTOMER	DESCRIPTION
2022CO6113-S01	HELMET Model NO.: FAST	HELMET Model NO.: FAST

## TESTS CARRIED OUT

- BALLISTIC RESISTANCE TEST.

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



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2022CO6113



## SAMPLE/S DESCRIPTION

Reference  
2022CO6113-S01



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## RESULTS

### BALLISTIC RESISTANCE TEST

#### Standard

NIJ 0106.01 Point 5.2.

#### Standard deviation

Test method according to NIJ 0106.01 for penetration test but modified according to the client: only one helmet tested with 5 rounds shot by .44 MAG (velocity:436±9m/s) in ambient; the hit points on the crown, the front, the rear, the left & the right side; and tested on a test headform filled with plastiline.

#### Classification level

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#### Apparatus

Shooting range 13037IE12

#### Reference

2022CO6113-S01

#### Sample description

Complete helmet in black colour, including damping system, harness and external accessories. It is 1648 g weight and 10.2 mm thick.

According to the information supplied by the client:  
Aramid FAST helmet.

#### Sample conditioned

More than 24 h in test conditions

#### Pretreatment

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#### Velocity measurement

The velocity measurement is done by light barriers (13037/26) and by radar (13037/10). 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 and one additional shot on the crown area.

#### Test shot distance

5 m

#### Strapping arrangement

Held to the headform by the harnesses.

#### Requirements

Penetration by any fair hit shall constitute a failure.

#### Test date

28/06/2022

#### Test conditions

22.5°C / 62.8% H.R.

#### Roma #1 Plastiline Calibration

According to point 9.3.4 from document HPW-TP-0401.01B: 22.2 mm

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AITEX has no evidence that the tests included in this report correspond to the tests stipulated in a technical specification of a public or private tender.



### Results

#### Caliber 1

.44MAG SJHP 15.6 g SPEER Ref.4453 at velocity (436±9.1) m/s

POSITION	ANGLE	VELOCITY	FAIR HIT (Yes/No)	PERFORATION (Yes/No)
Crown	0 °	440,9	Yes	No
Front	0 °	441,0	Yes	No
Rear	0 °	442,2	Yes	No
Left	0 °	445,0	Yes	No
Right	0 °	439,8	Yes	No

#### Test uncertainty

± 1.0 m/s in the velocity measurement

**PHOTOGRAPHY**

**Reference**  
2022CO6113-S01



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**Begoña Picó**  
Head of Public Tenders Division



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