

TEST REPORT

N° **2015CO4248**

DATE OF RECEPTION	30/11/2015	APPLICANT CROSHIELD LTD. ANDRIJE ZAJE, 43 HR-10000 Zagreb CROATIA Att. DRAZEN FRKOVIC
DATE TEST	Starting: 01/12/2015 Ending: 01/12/2015	

DESCRIPTION AND IDENTIFICATION OF SAMPLES

SAMPLES REFERENCED:
-“HAP-CS-IV”ICW””.

TESTS CARRIED OUT

BALLISTIC RESISTANCE TEST

ENAC is a signatory to the Multilateral Agreement (MLA), (MRA Mutual Recognition Agreement) of the European Cooperation for Accreditation (EA) and the International Laboratory Accreditation Cooperation (ILAC), in testing.

ATTACHED

SAMPLE(S) SEALED

PAGE

OF



RESULTS

BALLISTIC RESISTANCE TEST

Standard

Test in compliance with the Perforation and Backface Signature Test (P-BFS) according to point 7.8 from NIJ 0101.06 but with the deviations to the standard listed below.

Classification level

IV

Standard deviation

All the necessary tests for classifying as Level IV are not carried out, because only one sample is tested for the Ballistic Penetration and Backface Signature Test; and neither the Ballistic Limit Determination test is carried out, on request of the customer. No pretreatment is carried out on the sample according to the client specifications; neither the Hard Armor Conditioning Protocol according to paragraph 6 of this standard nor the Armor Submersion according to point 7.8.2 from the standard NIJ 0101.06. All the traumas obtained are recorded. The sample is a plate ICW a soft panel of unknown protection level and without carrier.

Apparatus

Shooting range 13037IE12

Reference

HAP-CS-IV"ICW"

Sample description

Plate 25 x 30 cm and 2927 g weight which is tested in conjunction with a soft panel 40 x 40 cm and 764 g weight, with blue cover but without carrier. AITEX unknowns the composition of the sample.

Sample conditioned

24 h in test conditions

Pretreatment

Handload velocity test

OK

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RESULTS

Velocity measurement

The velocity measurement is made using optical barriers and radar. In the tables of results it is shown the speed at the impact point.

Test shot distance

15 m

Armor Strapping

According to the standard NIJ 0101.06

Requirements

No perforation by the bullet, fragment of the bullet, or fragment from the plate/insert through the armor. The traumas must not be higher than 44 mm.

Test date

1st December 2015

Test conditions

21.3°C y 35.0% H.R.

Roma #1 Plastiline Calibration

AVERAGE: 19.3 mm (before the test)

AVERAGE: 18.6 mm (after the test)

Impacts position

According to the standard NIJ 0101.06.

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RESULTS

Results by panel

Caliber 1

Calibre: 30-06 M2 AP 10.8 g at velocity (878±9.1) m/s

POSITION	ANGLE	VELOCITY(m/s)	FAIR HIT (Yes/No)	PERFORATION	TRAUMA (mm)
1	0°	884.0	Yes	No	25

Test uncertainty

± 1.0 m/s in the velocity measurement and ± 0.3 mm in the trauma measurement

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Begoña Pico

Head of Public Tenders Dept.

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