

TEST REPORT

N° **2017CO2190**

DATE OF RECEPTION 05/07/2017

DATE TEST Starting: 05/07/2017
Ending: 06/07/2017

APPLICANT
CROSHIELD LTD.
Kaptolska ulica 36
HR-10000 Zagreb
CROATIA

Att. DRAZEN FRKOVIC

DESCRIPTION AND IDENTIFICATION OF SAMPLES

SAMPLES REFERENCED:
- "B.2".

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

1

OF

5



RESULTS

BALLISTIC RESISTANCE TEST

Standard

Test method according to Ballistic Penetration and Backface Signature Test (P-BFS) according to point 5 from NIJ 0101.04 but with the deviations to the standard listed below.

Standard deviation

All the tests for classification according to the standard are not carried out: only one sample is tested for the Ballistic Penetration and Backface Signature Test in dry conditions with the level IV ammunition and with impact positions according to the client specifications. All the traumas are recorded.

Apparatus

Shooting range 13037IE12

Reference

B.2

Sample description

Plate 25 x 30 cm and 3210 g weight with black cover which is tested stand alone. 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 measured by the optical barriers.

Test shot distance

15 m

Armor Strapping

According to the standard NIJ 0101.04

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

6th July 2017

Test conditions

22.4°C and 43.1% H.R.

Roma #1 Plastiline Calibration

AVERAGE: 19.4 mm (before the test)

AVERAGE: 18.2 mm (after the test)

Impacts position

According to the customer indications: three shots in triangle.

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RESULTS

Results by panel

Caliber 1

Caliber: 30-06 M2 AP 10.8 g at $v = (878 \pm 9.1)$ m/s

POSITION	ANGLE	VELOCITY (m/s)	FAIR HIT (Yes/No)	PERFORATION	TRAUMA (mm)
1	0°	879.8	Yes	No	34
2	0°	882.7	Yes	No	36
3	0°	883.0	Yes	No	35

Test uncertainty

± 1.0 m/s in the velocity measurement and ± 0.2 mm in the trauma measurement

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Begoña Pico
Head of Public Tenders Dept.

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