



9 June 2021

ShotStop Ballistics, LLC
1000 Campus Drive
Stow, OH 44224

Attention: Mr. Vall Iliev

Subject: ShotStop Ballistics, LLC, Armor Protection Ballistic Resistance Test: Job No. 2631-074, Tested
7 June 2021, Purchase Order No. Vall Iliev

Dear Mr. Iliev:

Please find enclosed a report documenting the subject test series conducted by NTS-Chesapeake Testing on 7 June 2021.

If you have any questions related to this test, please call Mr. Kyle North at 410-297-8154 or contact him via e-mail at kyle.north@nts.com.

Sincerely,

A handwritten signature in black ink, appearing to read "CS", is written over a horizontal line.

Chris Schueler
General Manager, NTS-Chesapeake Testing

bw

Enc. a/s

This report shall not be used to claim product certification, approval or endorsement. The results of the testing relate only to the samples submitted for testing. This test report shall not be interpreted as an endorsement by NTS-Chesapeake Testing as to the continued quality or performance of any items of the same or similar design.

The information contained in this report may be subject to the provisions of the Export Administration Act (50 USC 2401 et seq.), the Export Administration Regulations (15 CFR 768-799), or the U.S. Arms Export Control Act (22 USC 2778 et seq.) and the International Traffic in Arms Regulations (22 CFR 120-130). These statutes and regulations impose restrictions on import, export and transfer to foreign entities and persons, whether within the U.S. or abroad, of certain data and articles without approved licenses from the U.S. Department of State and/or the U.S. Department of Commerce.

NTS-Chesapeake Testing is an independent testing facility and has no affiliation with ShotStop Ballistics, LLC.
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SHOTSTOP BALLISTICS, LLC, PROPRIETARY INFORMATION

4603B Compass Point Rd., Belcamp, MD 21017 v: 410.297.8154 f: 410.297.8160



POC: Mr. Vall Iliev
Purchase Order No.: Vall Iliev
Test Date: 7 June 2021
Job No.: 2631-074

ShotStop Ballistics, LLC, Armor Protection Ballistic Resistance Test

Prepared by:

Kyle North
Beth A. Workman

NTS- Chesapeake Testing

*4603B Compass Point Road
Belcamp, MD 21017*

9 June 2021

***Further dissemination only as directed by
ShotStop Ballistics, LLC, June 2021.***

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SHOTSTOP BALLISTICS, LLC, PROPRIETARY INFORMATION

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Premier Body Armor
Job No.: 2631-074-1
Test Date: 6/7/2021

Test Panel

Description: Torso Plate Tested Stand Alone. Model: HARF3MC; Lot: 44763.

Manufacturer: ShotStop Ballistics, LLC

Sample No.: 1610

Size: 10.00 x 12.00 in
Avg. Thick: NA
Thickness: NA

Weight: 4.34 lbs
Plies/Laminates: NA

Date Received: 6/4/2021
Via: UPS
Returned: UPS

Setup

Shot Spacing: NIJ-STD-0101.06 Level IV
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Dropped and submerged
per NIJ-STD-0101.06

Primary Vel. Screens (ft): 37.000, 37.333,
46.667, 47.000
Primary Vel. Location (ft): 42.000
Range to Target (ft): 50.200
Target to Witness (in): 0.000

Range No.: 3
Temp: 67.1 °F
BP: 30.0 inHg
RH: 54.0%
Barrel/Gun: Test Barrel
Gunner: Bernard Carr
Recorder: Ramon Chavez

Ammunition

Projectile	Lot No.	Powder
(1) .30-06-cal., 166-grain APM2	Military AYR28	Norma 202

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 10:30 AM; Block No. 11; Temp: 95.8°F; Drop Depths: 20.4mm, 19.5mm, 19.1mm, 18.7mm, 18.1mm
(1) NIJ-STD-0101.06 Level IV (Modified)
(2) Customer request

Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Deformation (mm)	Obliq. (°)	Footnotes
1	1	162.0	3456	2894	3221	2898	2896	None	38.8	0.0	

Remarks:

Starting Velocity: 2850 - 2910 ft/s.

Footnotes:



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ATTACHMENT A
CALIBRATION DATA

Job Number:	2631-074	
Customer:	ShotStop	Date: 6/8/2021
Range:	3	Range Lead: Ramon Chavez

Equipment	Serial Number	NTS I.D. #	Cal. Date	Due Date	Range Lead Initials
Chronograph 1	107	WC067006	9/9/2020	9/9/2021	RC
Chronograph 2	110	WC067020	9/9/2020	9/9/2021	RC
Powder Scale	A12119288	WC060321	12/8/2020	6/8/2021	RC
Floor Scale	26059104	WC060600	12/9/2020	12/9/2021	RC
100 ft. Tape Measure	WC067365	WC067365	6/29/2020	6/29/2021	RC
25 ft. Tape Measure	WC067250	WC067250	8/2/2019	8/2/2021	RC
Thermometer	200741206	WC075092	11/20/2020	11/20/2022	RC
BFD Tool	18/330052	WC067320	4/19/2021	4/19/2022	RC
BFD Bridge	20/150036	WC075099	12/15/2020	12/15/2021	RC
Angle Block	844	WC064273	12/16/2020	12/16/2021	RC



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END OF REPORT