

3 June 2015

Attention: Mr. Mark Liu

Subject:

Test: Job No. 2604-002, Tested 19 May 2015, Purchase Order No. VGTEST-CS15-1,  
Test Report No. CT-RD-15-700

Dear Mr. Liu:

Please find enclosed a report documenting the subject test series conducted by Chesapeake Testing on 19 May 2015. This report includes a detailed shot record for the armor sample tested.

If you have any questions related to this test, please call Mr. Craig Thomas at 410-297-8154 or contact him via e-mail at [craig.thomas@chesapeaketesting.com](mailto:craig.thomas@chesapeaketesting.com).

Sincerely,



Chris Schueler  
VP Operations, Chesapeake Testing

jmt

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 and are not representative of a complete model or lot. This test report shall not be interpreted as an endorsement by 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.

Chesapeake Testing is an independent testing facility and has no affiliation



POC: Mr. Mark Liu  
POC Phone: 86-10-56960016  
P.O. No.: VGTEST-CS15-1  
Report No.: CT-RD-15-700

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## **Armor Protection Ballistic Resistance Test: Job No. 2604-002, Tested 19 May 2015**

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Prepared by:

**Craig A. Thomas  
Justine M. Tambourine**

***Chesapeake Testing***  
*4603B Compass Point Road  
Belcamp, MD 21017*

**3 June 2015**

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# BALLISTIC RESISTANCE TEST

## Chesapeake Testing

4603B Compass Point Road  
Belcamp, MD 21017

Job No.: 2604-002  
Test Date: 5/19/2015

### Test Panel

Description: Proprietary, Helmet

Sample No.: 44 mag V0

Size: Unknown  
Thickness: 0.355 in; 0.346 in;  
0.345 in; 0.352 in  
Avg. Thick: 0.349 in

Heat No.: NA  
Weight: 3.40 lbs  
Hardness: NA  
Plies/Laminates: NA

Date Received: 4/27/2015  
Via: DHL  
Returned: DHL

### Setup

Shot Spacing: NIJ-STD-0101.06  
Witness Panel: 0.02 in 2024-T3 Al  
Obliquity: 0.0°  
Backing Material: NA  
Condition: Ambient

Primary Vel. Screens (ft): 6.556, 9.556  
Primary Vel. Location (ft): 8.056  
Range to Target (ft): 16.400  
Target to Witness (in): 3.000

Range No.: 5  
Temp: 68.5 °F  
BP: 29.8 inHg  
RH: 44.9%  
Barrel/Gun: CT-4041  
Gunner: Mike Murray  
Recorder: John Murray

### Ammunition

Projectile	Lot No.	Powder
(1) .44-mag., 240-grain SWC	Speer	Accurate No. 5

### Applicable Standards or Procedures

- (1) NIJ-STD-0106.06 (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	Footnotes
1	1	240.3	2109	1422	2107	1424	1423	None	(a)
2	1	240.5	2112	1420	2110	1422	1421	None	(b)
3	1	240.3	2124	1412	2123	1413	1413	None	(c)
4	1	240.8	2082	1441	2080	1442	1442	None	(d)

Remarks:  
Required velocity: 1350 to 1450 ft/s

Footnotes:  
(a) Front  
(b) Back  
(c) Left  
(d) Right