



March 30, 2016

Legacy Safety & SECURITY  
125 Stafford Place  
New Orleans LA 70124  
Attn: Robert Hausman

Dear Mr. Hausman:

In accordance with your instructions, Oregon Ballistic Laboratories conducted Ballistic Resistance ( $V_0$ ) testing on one sample.

The sample was tested in accordance with NIJ-STD-0101.06 Level IIIA (abbreviated) (modified) in an indoor range with the muzzle of the test barrel mounted 16.5 feet away from the target and positioned to produce 0-degree obliquity impacts. Four infrared light screens, in conjunction with time-based frequency counters, were positioned such that projectile velocity was measured 8.25 feet from the target. Penetrations were determined by examination of a 5.5-inch clay block mounted behind the test sample. Results for all testing performed for this purpose are summarized in the following table.

Test Samples		Ballistic Threat				Results			
S/N	Weight (lbs)	Projectile	Shots	Velocity (fps)		Penetrations	BFD (mm)		Pass/Fail
				Min.	Max.		Min.	Max.	
N/A	3.73	.44 Mag SJHP	6	1435	1450	0	17.35	23.03	Pass

Samples will be maintained at Oregon Ballistic Laboratories for 30 days and then discarded, unless other instructions are received. If you have any further questions or concerns, please contact us.

Sincerely,

Brandon Bertsch  
Oregon Ballistic Laboratories



This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.



**OREGON BALLISTIC LABORATORIES**

**BALLISTIC RESISTANCE TEST - V<sub>0</sub>**

Customer: Legacy Safety & SECURITY  
OBL ID#: 12339  
Test Date: 3/29/2016  
Purchase Order:

**TEST SAMPLE**

Model No.: N/A  
Sample No.: N/A  
Lot No.: N/A  
Plies: N/A  
Description: Level IIIA soft armor panel

Size: 18 x 18  
Weight (lb.): 3.73  
Thickness: N/A  
Avg. Thk. (in):

**RANGE SET-UP**

Range to Target: 16.5 ft. Range #: 2  
Screen Dist. Vel. 1 (ft.): 5 Temperature: 69.6 °F  
Screen Dist. Vel. 2 (ft.): 5 Bar. Pressure: 30.10 in. Hg  
Screen 4 to target (ft): N/A Rel. Humidity: 41.4 %  
Primary Vel. Location: 8.25 ft. from target Sample Temp. Amb. °F  
Striking Velocity: No Recorder: Joe Simon  
Target to Witness: N/A Gunner: Grant Zitek  
Witness Panel: N/A  
Backing Material: 5.5" clay block w/ 3/4" plywood backing  
Obliquity: 0 Degrees  
Barrel: .44 Mag/1:20/10"

Pre Test:  
Clay Drops (mm): 19.45 19.76 18.20 19.87 19.70  
Drop Avg (mm): 19.40  
Clay Temp °F: 93.9  
Clay Box #: 2  
Post Test:  
Clay Drops (mm): 17.54 19.21 19.64 18.16 19.08  
Drop Avg (mm): 18.73  
Clay Temp °F: 93.5

**AMMUNITION**

Projectile: .44 Mag 240gr. SJHP Lot #4453

Powder: D032-03

**STANDARDS / PROCEDURES**

NIJ-STD-0101.06 Level IIIA (abbrev) (mod)

Required Velocity: 1430 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μs (10 <sup>-6</sup> )	TIME 2 μs (10 <sup>-6</sup> )	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	240.3	12.4	3485	3485	1435	1435	1435	P	0°	22.89	
2	240.3	12.4	3449	3449	1450	1450	1450	P	0°	23.03	
3	239.7	12.4	3456	3456	1447	1447	1447	P	0°	17.35	
4	240.0	12.4	3457	3457	1446	1446	1446	P	30°		
5	239.9	12.4	3478	3478	1438	1438	1438	P	45°		
6	241.3	12.4	3474	3474	1439	1439	1439	P	0°		

**REMARKS:**

P=Partial Penetration  
C=Complete Penetration  
UH=Unfair Hit

**TEST RESULTS:**

Test sample satisfied the ballistic requirements given.

**FOOTNOTES:**

Sample was not subjected to Armor Submersion per section 7.8.2