



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 - V₀

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 ⁻⁶) | TIME 2 μs (10 ⁻⁶) | 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