



February 16, 2017

Safe Life Defense  
 5725 S. Valley View #4  
 Las Vegas, NV 89118  
 ATTN: Nick Groat

Dear Mr. Groat:

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

The samples were tested in accordance with NIJ-STD-0101.06 Level IIIA Special Threat (abbreviated) (modified) in an indoor range with the muzzle of the test barrel mounted 25 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 bullet 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 Sample |          |        | Ballistic Threat                   |       |                |      | Results      |       |       |           |
|-------------|----------|--------|------------------------------------|-------|----------------|------|--------------|-------|-------|-----------|
| OBL No.:    | S/N.:    | Weight | Projectile                         | Shots | Velocity (fps) |      | Penetrations | BFD   |       | Pass/Fail |
|             |          | (lbs.) |                                    |       | Min.           | Max. |              | Min.  | Max.  |           |
| 15916       | SLD-PLUS | 2.48   | 9mm 50gr.<br>Liberty Civil Defense | 6     | ~2000          |      | 0            | 15.71 | 17.94 | Pass      |
| 15917       | SLD-PLUS | 3.04   | 5.7x28mm 40gr.<br>SS197            | 6     | 1650           | 1718 | 0            | 5.01  | 8.38  | 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



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

Customer: SafeLife Defense  
 OBL ID#: 15916  
 Test Date: 2/16/2017  
 Purchase Order:

### TEST SAMPLE

Model No.: SLD-PLUS  
 Serial No.: 77213  
 Lot No.: N/A  
 Plies: N/A  
 Description: Front Soft Armor Panel

Size: M  
 Weight (lb.): 2.48  
 Thickness:  
 Avg. Thk. (in):

### RANGE SET-UP

|                            |   |                |                  |                  |       |       |       |       |       |
|----------------------------|---|----------------|------------------|------------------|-------|-------|-------|-------|-------|
| Range to Target:           | 25 ft.                                  | Range #:       | 2                | Pre Test:        |       |       |       |       |       |
| Screen Dist. Vel. 1 (ft.): | 5                                       | Temperature:   | 69.0 °F          | Clay Drops (mm): | 20.48 | 20.91 | 21.58 | 20.66 | 20.63 |
| Screen Dist. Vel. 2 (ft.): | 5                                       | Bar. Pressure: | 30.20 in. Hg     | Drop Avg (mm):   | 20.85 |       |       |       |       |
| Screen 4 to target (ft):   | N/A                                     | Rel. Humidity: | 34.5 %           | Clay Temp °F:    | 95.5  |       |       |       |       |
| Primary Vel. Location:     | 8.25 ft. from target                    | Sample Temp:   | Amb. °F          | Clay Box #:      | 1     |       |       |       |       |
| Striking Velocity:         | No                                      | Recorder:      | Jared Curran     | Post Test:       |       |       |       |       |       |
| Target to Witness:         | N/A                                     | Gunner:        | Darius Nuttbrock | Clay Drops (mm): | 17.06 | 17.07 | 17.34 | 17.54 | 17.19 |
| Witness Panel:             | N/A                                     |                |                  | Drop Avg (mm):   | 17.24 |       |       |       |       |
| Backing Material:          | 5.5" clay block w/ 3/4" plywood backing |                |                  | Clay Temp °F:    | 93.2  |       |       |       |       |
| Obliquity:                 | 0 Degrees                               |                |                  |                  |       |       |       |       |       |
| Barrel:                    | 9mm Luger/1:10/4.5"                     |                |                  |                  |       |       |       |       |       |

### AMMUNITION

Projectile: 9mm 50gr. Liberty Civil Defense Powder:

### STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IIIA Special Threat (abbrev) (mod) Required Velocity: 2000 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        | 50.0                 | -                |                               |                               |                 |                 |                  | P          | 0°        | 17.87       | Shelf Rounds @ 2000 FPS |
| 2        | 50.0                 | -                |                               |                               |                 |                 |                  | P          | 0°        | 17.94       | Shelf Rounds @ 2000 FPS |
| 3        | 50.0                 | -                |                               |                               |                 |                 |                  | P          | 0°        | 15.71       | Shelf Rounds @ 2000 FPS |
| 4        | 50.0                 | -                |                               |                               |                 |                 |                  | P          | 30°       |             | Shelf Rounds @ 2000 FPS |
| 5        | 50.0                 | -                |                               |                               |                 |                 |                  | P          | 45°       |             | Shelf Rounds @ 2000 FPS |
| 6        | 50.0                 | -                |                               |                               |                 |                 |                  | P          | 0°        |             | Shelf Rounds @ 2000 FPS |

### REMARKS:

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

### TEST RESULTS:

Test sample satisfied the ballistic requirements given.

### FOOTNOTES:



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: SafeLife Defense  
OBL ID#: 15917  
Test Date: 2/13/2017  
Purchase Order:

**TEST SAMPLE**

Model No.: SLD-PLUS  
Serial No.: 77213  
Lot No.: N/A  
Plies: N/A  
Description: Back Soft Armor Panel

Size: M  
Weight (lb.): 3.04  
Thickness:  
Avg. Thk. (in):

**RANGE SET-UP**

Range to Target: 25 ft.  
Screen Dist. Vel. 1 (ft.): 5  
Screen Dist. Vel. 2 (ft.): 5  
Screen 4 to target (ft): N/A  
Primary Vel. Location: 8.25 ft. from target  
Striking Velocity: No  
Target to Witness: N/A  
Witness Panel: N/A  
Backing Material: 5.5" clay block w/ 3/4" plywood backing  
Obliquity: 0 Degrees  
Barrel: 5.7mm/1:9/16"

Range #: 2  
Temperature: 69.0 °F  
Bar. Pressure: 30.20 in. Hg  
Rel. Humidity: 34.5 %  
Sample Temp. Amb. °F  
Recorder: Jared Curran  
Gunner: Darius Nuttbrock

Pre Test:  
Clay Drops (mm): 20.48 20.91 21.58 20.66 20.63  
Drop Avg (mm): 20.85  
Clay Temp °F: 95.5  
Clay Box #: 1  
Post Test:  
Clay Drops (mm): 17.06 17.07 17.34 17.54 17.19  
Drop Avg (mm): 17.24  
Clay Temp °F: 93.2

**AMMUNITION**

Projectile: 5.7x28mm 40gr. SS197

Powder: D032-03

**STANDARDS / PROCEDURES**

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

Required Velocity: 1675 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        | 40.0                 | 3.3              | 2996                          | 2997                          | 1669            | 1668            | 1669             | P          | 0°        | 8.38        |       |
| 2        | 40.0                 | 3.3              | 3031                          | 3033                          | 1650            | 1649            | 1650             | P          | 0°        | 7.84        |       |
| 3        | 40.0                 | 3.3              | 3008                          | 3013                          | 1662            | 1659            | 1661             | P          | 0°        | 5.01        |       |
| 4        | 40.0                 | 3.3              | 2935                          | 2940                          | 1704            | 1701            | 1703             | P          | 45°       |             |       |
| 5        | 40.0                 | 3.3              | 2909                          | 2913                          | 1719            | 1716            | 1718             | P          | 30°       |             |       |
| 6        | 40.0                 | 3.3              | 3000                          | 3001                          | 1667            | 1666            | 1667             | P          | 0°        |             |       |

**REMARKS:**

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

**TEST RESULTS:**

Test sample satisfied the ballistic requirements given.

**FOOTNOTES:**



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