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ISO/IEC 17025:2017 Accredited Laboratory
NVLAP Code: 200826-0

February 8, 2023

Caliber Armor LLC
1421 Selinda Ave.
Louisville, KY 40213
ATTN: Kevin Strnatka

Dear Mr. Strnatka:

In accordance with your instructions, Oregon Ballistic Laboratories conducted Ballistic Resistance (V₀) testing on one sample.

The sample was tested in accordance with NIJ-STD-0101.06 Level III (abbreviated) (modified) in an indoor range with the muzzle of the test barrel mounted 50 feet from the target and positioned to produce 0-degree obliquity impacts. Four Oehler model 57 infrared velocity light screens, in conjunction with two HP 5315A time-based frequency counters, were placed 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 Sample | | | Ballistic Threat | | | | Results | | | |
|-------------|----------------|---------------|------------------|-------|----------------|------|--------------|-------|-------|--------------------|
| OBL No.: | S/N: | Weight (lbs.) | Projectile | Shots | Velocity (fps) | | Penetrations | BFD | | Pass/Fail |
| | | | | | Min: | Max: | | Min: | Max: | |
| 34596 | 812270-AV2-001 | 7.34 | M80 Steel | 6 | 2998 | 3015 | 0 | 22.10 | 36.52 | <u>PASS</u> |

This report pertains only to the samples tested and may not be modified or edited in any way. This report may not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any federal government agency. Samples will be maintained at Oregon Ballistic Laboratories for 30 days and discarded unless other instructions are received. If you have any further questions or concerns, don't hesitate to contact us.

Darius Nuttbrock
Ballistic Test Director
Oregon Ballistic Laboratories
503.689.5134
Email: dnuttbrock@oregonbl.com

Customer: Caliber Armor LLC
 OBL ID#: 34596
 Date Rcv'd: 1/27/2023
 Test Date: 2/1/2023
 Purchase Order:

TEST SAMPLE

Serial No.: 812270-AV2-001
 Model No.: 19-AV2-1012-SPC
 Lot No.: 812270
 Plies: N/A
 Description: Level III Hard Armor Plate

Size (in.): 10 x 12
 Weight (lb.): 7.34
 Thickness: 0.481
 Avg. Thk. (in): 0.481

RANGE SET-UP

Range to Target: 50 ft. Range #: 2
 Screen Dist. Vel. 1 (ft.): 5 Temperature: 69.7 °F
 Screen Dist. Vel. 2 (ft.): 4 Bar. Pressure: 30.03 in. Hg
 Screen 4 to target (ft): N/A Rel. Humidity: 24.8 %
 Primary Vel. Location: 8.25 ft. from target Sample Temp. Amb. °F
 Striking Velocity: No Recorder: Jason Stone
 Target to Witness: N/A Gunner: Chris Moe
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: .308/1:12/30"

Pre Test:
 Clay Drops (mm): 17.62 19.07 19.63 17.28 18.78
 Drop Avg (mm): 18.48
 Clay Temp °F: 93.6
 Clay Box #: 5
 Post Test:
 Clay Drops (mm): 18.62 19.08 19.28 17.74 17.43
 Drop Avg (mm): 18.43
 Clay Temp °F: 92.7

AMMUNITION

Projectile: 7.62x51mm 147gr. M80 Ball Steel Jacket

Powder: VihtaVuori N130

STANDARDS / PROCEDURES

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

Required Velocity: 3000 fps ± 30 fps

| SHOT NO. | PROJECTILE WT. (gr.) | POWDER WT. (gr.) | TIME 1 μ s (10 ⁻⁶) | TIME 2 μ s (10 ⁻⁶) | VELOCITY 1 ft/s | VELOCITY 2 ft/s | AVERAGE VELOCITY | PENET. P/C | OBLIQUITY | CALIPER BFD | NOTES |
|----------|----------------------|------------------|------------------------------------|------------------------------------|-----------------|-----------------|------------------|------------|-----------|-------------|-------|
| 1 | 148.1 | 42.0 | 1658 | 1329 | 3016 | 3010 | 3013 | P | 0° | 22.10 | TL |
| 2 | 148.1 | 42.0 | 1667 | 1335 | 2999 | 2996 | 2998 | P | 0° | 36.52 | BR |
| 3 | 147.0 | 42.0 | 1670 | 1330 | 2994 | 3008 | 3001 | P | 0° | | ML |
| 4 | 147.2 | 42.0 | 1660 | 1326 | 3012 | 3017 | 3015 | P | 0° | | MR |
| 5 | 147.2 | 42.0 | 1663 | 1329 | 3007 | 3010 | 3009 | P | 0° | | BL |
| 6 | 148.1 | 42.0 | 1665 | 1330 | 3003 | 3008 | 3006 | P | 0° | | TR |

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit
 Projectile Yaw Check: <5° for all velocity shots

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was not subjected to Armor Drop Test.
 Sample was not subjected to Armor Submersion.