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

March 7th, 2024

Citizen Armor
45 E Highland Dr
Woodland Hills, UT 84653
ATTN: Kurt Hansen

Dear Mr. Hansen:

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-0101.07 Level HG2 (abbreviated) (modified) in an indoor range with the muzzle of the test barrel mounted 16.5 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 Samples			Ballistic Threat				Results			
OBL No.:	Sample:	Weight (lbs.)	Projectile	Shots	Velocity (fps)		Penetrations	BFD (mm)		Pass/Fail
					Min.	Max.		Min.	Max.	
37155	P100	1.94	.44 MAG SJHP	7	1434	1452	0	38.47	40.03	<u>PASS</u>

*Data shown in the table represents fair impacts only.

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.

Reviewed by,

Prepared by,

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Contributors to measurement of uncertainty:
Velocity- tape measure used for screen spacing, Measurement of uncertainty of frequency counters BFD- Measurement of uncertainty of depth gauges.



BALLISTIC RESISTANCE TEST - V₀

Customer: Citizen Armor
 OBL ID#: 37155
 Date Rcv'd: 2/16/2124
 Test Date: 2/22/2024
 Purchase Order:

TEST SAMPLE
 Sample No.: P100
 Model No.: N/A
 Lot No.: N/A
 Plies: N/A
 Description: Level HG2 Soft Armor Panel
 Size (in.): 18 x 18
 Weight (lb.): 1.94
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP
 Range to Target: 15 ft. Range #: 3
 Screen Dist. Vel. 1 (ft.): 5 Temperature: 71.5 °F
 Screen Dist. Vel. 2 (ft.): 4 Bar. Pressure: 30.09 in. Hg
 Screen 4 to target (ft): N/A Rel. Humidity: 47.0 %
 Primary Vel. Location: 8.25 ft. from target Sample Temp. Amb. °F
 Striking Velocity: No Recorder: Nathan Myers
 Target to Witness: N/A Gunner: Andrew Jacobson
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: .44 Mag/1:20/8"

Pre Test:
 Clay Drops (mm): 20.27 18.98 17.93 20.21 19.77
 Drop Avg (mm): 19.43
 Clay Temp °F: 98.8
 Clay Box #: 6
 Post Test:
 Clay Drops (mm): 18.74 17.50 18.99 18.57 17.70
 Drop Avg (mm): 18.30
 Clay Temp °F: 96.6

AMMUNITION
 Projectile: .44 Mag 240gr. SJHP Lot #4453 Powder: Accurate No. 2

STANDARDS / PROCEDURES
 NIJ-STD-0101.07 Level HG2 (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	240.6	12.5	3465	2766	1443	1446	1445	P	0°	38.47	
2	240.6	12.5	3481	2794	1436	1432	1434	P	0°	39.35	
3	240.3	12.5	3466	2766	1443	1446	1445	P	0°	40.03	
4	240.5	12.5	3471	2785	1441	1436	1439	P	30°		
5	240.3	12.5	3438	2759	1454	1450	1452	P	45°		
6	240.2	12.5	3440	2760	1453	1449	1451	P	0°		
7	240.6	12.5	3473	2786	1440	1436	1438	P	45°		

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 Submersion.

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