OREGON BALLISTIC LABORATORIES

August 17, 2022

Legacy Safety & SECURITY
4917 MAIN CT
Davenport, IA 52806
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.	
LS-SHIELD	8.9	.357 SIG FN	16	1464	1481	0	N/A	N/A	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

OREGON BALLISTIC LABORATORIES

BALLISTIC RESISTANCE TEST - V_0

Customer: Legacy Safety & SECURITY
OBL ID#: 10683
Test Date: 8/10/2022
Purchase Order:

TEST SAMPLE

Heat No.:	N/A	**Size (in.):**	HARD SHIELD 24x46
Sample No.:	N/A	**Weight (lb.):**	8.9
Lot No.:	N/A	**Thickness:**	
Plies:	N/A	**Avg. Thk. (in):**	
Description:	Proprietary		

RANGE SET-UP

Range to Target:	16.5 ft.	**Range #:**	2	**Pre Test:**					
Screen Dist. Vel. 1 (ft.):	5	**Temperature:**	68.6 °F	**Clay Drops (mm):**	18.14	17.58	18.43	19.89	18.46
Screen Dist. Vel. 2 (ft.):	5	**Bar. Pressure:**	29.75 in. Hg	**Drop Avg (mm):**	18.50				
Screen 4 to target (ft):	N/A	**Rel. Humidity:**	50.3 %	**Clay Temp °F:**	93.9				
Primary Vel. Location:	8.25 ft. from target	**Sample Temp.**	Amb. °F	**Clay Box #:**	1				
Striking Velocity:	No	**Recorder:**	Scott Buell	**Post Test:**					
Target to Witness:	N/A	**Gunner:**	Joe Simon	**Clay Drops (mm):**	18.77	18.42	19.63	18.98	16.44
Witness Panel:	N/A			**Drop Avg (mm):**	18.45				
Backing Material:	5.5" clay block w/ 3/4" plywood backing			**Clay Temp °F:**	92.8				
Obliquity:	0 Degrees								
Barrel:	.357 Sig/1:16/10"								

AMMUNITION

Projectile: .357 SIG 125gr. FMJ Lot #4362 **Powder:** Accurate No. 2

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IIIA (abbrev)(mod) **Required Velocity:** 1470 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	BFD	NOTES
1	125.1	6.7	3374	3382	1482	1478	1480	P	0°		
2	125.8	6.7	3404	3411	1469	1466	1468	P	0°		
3	125.2	6.7	3391	3398	1474	1471	1473	P	0°		
4	125.8	6.7	3409	3417	1467	1463	1465	P	30°		
5	124.8	6.7	3374	3381	1482	1479	1481	P	45°		
6	125.8	6.7	3412	3420	1465	1462	1464	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

NVLAP LAB CODE 200826-0 NIJ CERTIFIED LABORATORY

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