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

June 15, 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 (V₀) testing on two samples.

The samples were tested in accordance with NIJ-STD-0106.01 (mod) and NIJ-STD-0101.06 Level IIIA - Threats 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 0.020-inch 2024-T3 Aluminum witness mounted in a headform 2-inches 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.:	Sample No.:	Weight (lbs.)	Projectile	Shots	Velocity (fps)		Penetrations	Pass/Fail
					Min:	Max:		
32835	6185659146	2.93	.357 SIG TMJ	4	1461	1476	0	<u>PASS</u>
32836	6185659146	2.97	.44 Mag SJHP	4	1427	1458	0	<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
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BALLISTIC RESISTANCE TEST - V₀

Customer: Legacy Safety and Security
 OBL ID#: 32835
 Date Rcv'd: 6/13/2022
 Test Date: 6/15/2022
 Purchase Order:

TEST SAMPLE		Size:	S/M			
Sample No.:	6185659146	Weight (lb.):	2.93			
Model No.:	PASGT	Thickness:	0.383	0.407	0.403	0.387
Lot No.:	N/A	Avg. Thk. (in):	0.395			
Plies:	N/A					
Description:	Level IIIA Ballistic Helmet					

RANGE SET-UP		Range #:		Pre Test:		
Range to Target:	16.5 ft.	3		CLAY CALIBRATION NOT REQUIRED		
Screen Dist. Vel. 1 (ft.):	5	Temperature:	70.2 °F	Clay Drops (mm):		
Screen Dist. Vel. 2 (ft.):	4	Bar. Pressure:	29.94 in. Hg	Drop Avg (mm):		
Screen 4 to target (ft):	N/A	Rel. Humidity:	48.1 %	Clay Temp °F:		
Primary Vel. Location:	8.25 ft. from target	Sample Temp.	Amb. °F	Clay Box #:		
Striking Velocity:	No	Recorder:	Jerhemi Stone	Post Test:		
Target to Witness:	2 in.	Gunner:	Jesse Miotke	Clay Drops (mm):		
Witness Panel:	Headform w/ .020" 2024-T3 Alum.			Drop Avg (mm):		
Backing Material:	N/A			Clay Temp °F:		
Obliquity:	0 Degrees					
Barrel:	.357 Sig/1:16/10"					

AMMUNITION	
Projectile:	.357 SIG 125gr. TMJ Lot #4362
Powder:	Accurate No. 2

STANDARDS / PROCEDURES	
NIJ-STD-0106.01 (mod)	Required Velocity: 1470 fps ± 30 fps
NIJ-STD-0101.06 Level IIIA - Threats	

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	124.9	6.6	3431	2732	1457	1464	1461	P	0°		Front
2	125.3	6.6	3418	2722	1463	1470	1467	P	0°		Back
3	124.1	6.6	3397	2705	1472	1479	1476	P	0°		Left
4	125.1	6.6	3420	2723	1462	1469	1466	P	0°		Right

REMARKS:	TEST RESULTS:
P=Partial Penetration C=Complete Penetration UH=Unfair Hit Projectile Yaw Check: <5° for all velocity shots	Test sample satisfied the ballistic requirements given.
	FOOTNOTES:

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BALLISTIC RESISTANCE TEST - V₀

Customer: Legacy Safety and Security
 OBL ID#: 32836
 Date Rcv'd: 6/13/2022
 Test Date: 6/15/2022
 Purchase Order:

TEST SAMPLE		Size:	S/M			
Sample No.:	6185659146	Weight (lb.):	2.97			
Model No.:	PASGT	Thickness:	0.392	0.405	0.390	0.396
Lot No.:	N/A	Avg. Thk. (in):	0.396			
Plies:	N/A					
Description:	Level IIIA Ballistic Helmet					

RANGE SET-UP		CLAY CALIBRATION NOT REQUIRED			
Range to Target:	16.5 ft.	Range #:	3		
Screen Dist. Vel. 1 (ft.):	5	Temperature:	70.2 °F		
Screen Dist. Vel. 2 (ft.):	4	Bar. Pressure:	29.94 in. Hg		
Screen 4 to target (ft):	N/A	Rel. Humidity:	48.1 %		
Primary Vel. Location:	8.25 ft. from target	Sample Temp.	Amb. °F		
Striking Velocity:	No	Recorder:	Jerhemi Stone		
Target to Witness:	2 in.	Gunner:	Jesse Miotke		
Witness Panel:	Headform w/ .020" 2024-T3 Alum.				
Backing Material:	N/A				
Obliquity:	0 Degrees				
Barrel:	.44 Mag/1:20/15"				

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

STANDARDS / PROCEDURES	
NIJ-STD-0106.01 (mod)	Required Velocity: 1430 fps ± 30 fps
NIJ-STD-0101.06 Level IIIA - Threats	

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	239.8	11.7	3459	2778	1446	1440	1443	P	0°		Front
2	240.0	11.7	3425	2749	1460	1455	1458	P	0°		Back
3	239.6	11.7	3499	2809	1429	1424	1427	P	0°		Left
4	239.5	11.7	3463	2781	1444	1438	1441	P	0°		Right

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:

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