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

May 26, 2022

RMA Armament
22800 Dewey Rd
Centerville, IA 52544
ATTN: Blake Waldrop

Dear Mr. Waldrop:

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 15 feet away 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.:	Model No.:	Weight (lbs.)	Projectile	Shots	Velocity (fps)	Penetrations	BFD	Pass/Fail
32479	IIIA-SA	1.52	.44 Mag SJHP	1	1422	0	40.62	<u>PASS</u>
			357 SIG TMJ	1	1487	0	28.85	<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.

Darius Nuttbrock
Ballistic Test Director
Oregon Ballistic Laboratories
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BALLISTIC RESISTANCE TEST - V₀

Customer: RMA Armament, Inc.
 OBL ID#: 32479
 Date Rcv'd: 5/11/2022
 Test Date: 5/19/2022
 Purchase Order:

TEST SAMPLE	
Model No.:	IIIA-SA
Serial No.:	Sample 2
Lot No.:	Sample 2
Plies:	N/A
Description:	Level IIIA Soft Armor Panel
Size:	11 x 14
Weight (lb.):	1.52
Thickness:	
Avg. Thk. (in):	

RANGE SET-UP									
Range to Target:	15 ft.	Range #:	2	Pre Test:					
Screen Dist. Vel. 1 (ft.):	5	Temperature:	70.7 °F	Clay Drops (mm):	19.61	21.06	17.56	19.57	19.51
Screen Dist. Vel. 2 (ft.):	4	Bar. Pressure:	30.26 in. Hg	Drop Avg (mm):	19.46				
Screen 4 to target (ft):	N/A	Rel. Humidity:	38.1 %	Clay Temp °F:	91.4				
Primary Vel. Location:	8.25 ft. from target	Sample Temp.	Amb. °F	Clay Box #:	10				
Striking Velocity:	No	Recorder:	Brian Wyler	Post Test:					
Target to Witness:	N/A	Gunner:	Jerhemi Stone	Clay Drops (mm):	16.34	21.33	17.76	17.80	16.84
Witness Panel:	N/A			Drop Avg (mm):	18.01				
Backing Material:	5.5" clay block w/ 3/4" plywood backing			Clay Temp °F:	91.4				
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-0101.06 Level IIIA (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	239.4	11.6	3512	2816	1424	1420	1422	P	0°	40.62	

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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BALLISTIC RESISTANCE TEST - V₀

Customer: RMA Armament, Inc.
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 Date Rcv'd: 5/11/2022
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TEST SAMPLE	
Model No.:	IIIA-SA
Serial No.:	Sample 2
Lot No.:	Sample 2
Plies:	N/A
Description:	Level IIIA Soft Armor Panel
Size:	11 x 14
Weight (lb.):	1.52
Thickness:	
Avg. Thk. (in):	

RANGE SET-UP									
Range to Target:	15 ft.	Range #:	2	Pre Test:					
Screen Dist. Vel. 1 (ft.):	5	Temperature:	72.0 °F	Clay Drops (mm):	18.57	18.95	19.28	19.35	18.60
Screen Dist. Vel. 2 (ft.):	4	Bar. Pressure:	30.25 in. Hg	Drop Avg (mm):	18.95				
Screen 4 to target (ft):	N/A	Rel. Humidity:	36.3 %	Clay Temp °F:	96.0				
Primary Vel. Location:	8.25 ft. from target	Sample Temp.	Amb. °F	Clay Box #:	4				
Striking Velocity:	No	Recorder:	Brian Wyler	Post Test:					
Target to Witness:	N/A	Gunner:	Jerhemi Stone	Clay Drops (mm):	18.73	17.84	20.25	19.33	17.98
Witness Panel:	N/A			Drop Avg (mm):	18.83				
Backing Material:	5.5" clay block w/ 3/4" plywood backing			Clay Temp °F:	96.1				
Obliquity:	0 Degrees								
Barrel:	.357 Sig/1:16/4.5"								

AMMUNITION	
Projectile:	.357 SIG 125gr. TMJ 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	CALIPER BFD	NOTES
1	123.6	6.6	3372	2683	1483	1491	1487	P	0°	28.85	

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.
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