



August 11, 2017

RMA Armament, Inc.
1479 Gillespie St. Suite 303
Rock Island, IL 61201
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 IV (Special Threat) in an indoor range with the muzzle of the test barrel mounted 50 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 Sample			Ballistic Threat			Results		
OBL No.:	Model:	Weight (lbs.)	Projectile	Shots	Velocity (fps)	Penetrations	BFD (mm)	Pass/Fail
17915	1199	4.53	M855A1	1	3032	0	21.85	<u>PASS</u>
			M193	1	3213	0	25.22	

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



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



OREGON BALLISTIC LABORATORIES

BALLISTIC RESISTANCE TEST - V₀

Customer: RMA Armament
 OBL ID#: 17915
 Test Date: 8/11/2017
 Purchase Order:

TEST SAMPLE

Model No.: 1199
 Serial No.: 0007
 Lot No.: 231804
 Plies: N/A
 Description: HA Plate Level IV

Size: 10 x 12
 Weight (lb.): 4.53
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft. Range #: 2
 Screen Dist. Vel. 1 (ft.): 5 Temperature: 67.6 °F
 Screen Dist. Vel. 2 (ft.): 5 Bar. Pressure: 30.01 in. Hg
 Screen 4 to target (ft): N/A Rel. Humidity: 51.3 %
 Primary Vel. Location: 8.25 ft. from target Sample Temp. Amb. °F
 Striking Velocity: No Recorder: Darius Nuttbrock
 Target to Witness: N/A Gunner: Daniel Chase
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: 5.56mm NATO/1:7/30"

Pre Test:
 Clay Drops (mm): 20.76 21.05 19.93 18.03 18.95
 Drop Avg (mm): 19.74
 Clay Temp °F: 98.4
 Clay Box #: 3
 Post Test:
 Clay Drops (mm): 17.51 16.04 16.27 18.31 17.85
 Drop Avg (mm): 17.20
 Clay Temp °F: 93.9

AMMUNITION

Projectile: Powder:

STANDARDS / PROCEDURES

NIJ-STD-0106.01 Level IV (Special Threat)

Required Velocity: fps ± 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	62.5	19.3	1649	1649	3032	3032	3032	P	0°	21.85	M855 A1 @ 3000fps
2	54.5	19.5	1556	1556	3213	3213	3213	P	0°	25.22	M193 @ 3150fps

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 Drop Test per section 6.2.3.4
 Sample was not subjected to Armor Submersion per section 7.8.2