



August 9, 2016

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 (abbrev) (mod) 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	Level	Projectile	Shots	Velocity (fps)	Penetrations	BFD (mm)	Pass/Fail
	No.:	(lbs.)							
13280	N/A	4.40	IV	.30 cal M2AP	1	2860	0	35.58	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



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#: 13280
Test Date: 8/8/2016
Purchase Order:

TEST SAMPLE

Sample No.: N/A
Serial No.: N/A
Lot No.: N/A
Plies: N/A
Description: SA Hard Armor Plate

Size: 10 x 12
Weight (lb.): 4.40
Thickness: N/A
Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft. Range #: 2
Screen Dist. Vel. 1 (ft.): 5 Temperature: 68.8 °F
Screen Dist. Vel. 2 (ft.): 5 Bar. Pressure: 30.00 in. Hg
Screen 4 to target (ft): N/A Rel. Humidity: 48.8 %
Primary Vel. Location: 8.25 ft. from target Sample Temp. Amb. °F
Striking Velocity: No Recorder: Joe Simon
Target to Witness: N/A Gunner: Brandon Bertsch
Witness Panel: N/A
Backing Material: 5.5" clay block w/ 3/4" plywood backing
Obliquity: 0 Degrees
Barrel: .308/1:9/24"

Pre Test:
Clay Drops (mm): 19.33 18.41 19.86 20.02 20.08
Drop Avg (mm): 19.54
Clay Temp °F: 90.3
Clay Box #: 1
Post Test:
Clay Drops (mm): 19.01 18.62 19.37 19.49 19.37
Drop Avg (mm): 19.17
Clay Temp °F: 90.1

AMMUNITION

Projectile: .30 cal. 160gr. M2 AP

Powder: N133

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IV (abbrev) (mod)

Required Velocity: 2880 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	1621.0	45.6	1748	1749	2860	2859	2860	P	0°	35.58	

REMARKS:

P=Partial Penetration
C=Complete Penetration
UH=Unfair Hit

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was subjected to Armor Drop Test per section 6.2.3.4
Sample was subjected to Armor Submersion per section 7.8.2