



August 30, 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 III (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 No.:	Weight (lbs.)	Projectile	Shots	Velocity (fps)		Penetrations	BFD (mm)		Pass/Fail
					Min.	Max.		Min.	Max.	
13807	1078	3.35	M80, Steel	6	2769	2947	0	29.85	30.11	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#: 13807
Test Date: 8/26/2016
Purchase Order:

TEST SAMPLE

Model No.: 1078
Sample No.: N/A
Lot No.: N/A
Plies: N/A
Description: SA Hard Armor Plate

Size: 12 x 10
Weight (lb.): 3.35
Thickness:
Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft. Range #: 2
Screen Dist. Vel. 1 (ft.): 5 Temperature: 68.4 °F
Screen Dist. Vel. 2 (ft.): 5 Bar. Pressure: 30.00 in. Hg
Screen 4 to target (ft): N/A Rel. Humidity: 46.1 %
Primary Vel. Location: 8.25 ft. from target Sample Temp. Amb. °F
Striking Velocity: No Recorder: Grant Zitek
Target to Witness: N/A Gunner: Joe Simon
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): 19.13 19.56 19.60 18.74 19.16
Drop Avg (mm): 19.24
Clay Temp °F: 95.1
Clay Box #: 2
Post Test:
Clay Drops (mm): 17.35 16.15 17.14 19.45 18.02
Drop Avg (mm): 17.62
Clay Temp °F: 94.1

AMMUNITION

Projectile: 7.62x51mm 147gr. M80 Ball Steel Jacket

Powder: N133

STANDARDS / PROCEDURES

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

Required Velocity: 2780 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	146.7	42.6	1773	1777	2820	2814	2817	P	0°	30.11	
2	147.9	42.5	1803	1808	2773	2765	2769	P	0°	29.85	
3	147.3	42.5	1695	1699	2950	2943	2947	P	0°		
4	147.6	42.5	1801	1804	2776	2772	2774	P	0°		
5	146.6	42.5	1778	1784	2812	2803	2808	P	0°		
6	146.8	42.5	1799	1806	2779	2769	2774	P	0°		

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