



25 July 2017

JTIC
700 N. Frederick Ave
Bldg. 181 Rm 1L30
Gaithersburg, MD 20879

Attention: Mr. Tate Groghan, Equipment Testing Technician

Subject: Compliance Test Report for RMA Armament, Inc., Body Armor Model
1062, Test ID MC02900, tested in accordance with *Ballistic Resistance of Body
Armor, NIJ Standard-0101.06* by NTS – Chesapeake Testing on
21 July 2017

Dear Mr. Groghan:

On 21 July 2017, NTS – Chesapeake Testing tested RMA Armament, Inc. Body Armor, Model 1062. The tests were conducted in accordance with the requirements outlined in the *Ballistic Resistance of Body Armor, NIJ Standard-0101.06*, dated July 2008. The Compliance Test Report (CTR) No. 21065-001 and appropriate photographs to support the conclusions of the test are enclosed.

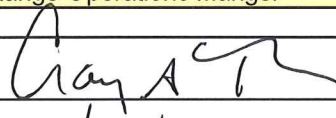
NTS – Chesapeake Testing is not empowered to issue or deny the compliance status of Body Armor Model 1062; however, the attached CTR No. 21065-001 indicates that the threat level III requirements of the referenced NIJ standard were satisfied.

If you have any questions related to this testing, please call Mr. Craig Thomas at (410) 297-8154 or contact him via e-mail at craig.thomas@nts.com.

Sincerely,

Craig Thomas
Range Operations Manager, NTS – Chesapeake Testing
Enc. a/s

The information contained in this report may be subject to the provisions of the Export Administration Act (50 USC 2401 et seq.), the Export Administration Regulations (15 CFR 768-799), or the U.S. Arms Export Control Act (22 USC 2778 et seq.) and the International Traffic in Arms Regulations (22 CFR 120-130). These statutes and regulations impose restrictions on import, export and transfer to foreign entities and persons, whether within the U.S. or abroad, of certain data and articles without approved licenses from the U.S. Department of State and/or the U.S. Department of Commerce.

	Report Identification Number: 21065-001 Issue/Revision Number: Report Date: 7/25/2017
200820-0 NVLAP Lab Code	
Test Laboratory Name: NTS-Chesapeake Testing Address: 4603B Compass Point Rd Belcamp MD, 21017	
Customer: RMA Armament, Inc. 22800 Dewey Rd. Address: Centerville IA, 52544	
Conditioning Laboratory Name: NTS-Chesapeake Testing Address: 4603B Compass Point Rd Belcamp MD, 21017	
Prospective Model Designation: 1062	
This test report and the results herein are to be used solely for the purpose of determining compliance to the NIJ 0101.06 Body Armor Standard. The test data should not be used to compare the relative performance characteristics between different models of body armor.	
Reproduction of this test report is prohibited except in full.	
This test report may not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the Federal Government.	
Test results relate only to the items tested.	
Authorized Signatory: Craig Thomas Function/Position: Range Operations Manager Signature:  Date: 07/25/2017	

NVLAP Lab Code: 200820-0Test Laboratory Name: NTS-Chesapeake TestingReport Identification Number: 21065-001

Issue / Revision Number: _____

COMPLIANCE TESTING INFORMATIONTest Start Date: 07/21/17Report Date: 07/25/17End Date: 07/21/17**RANGE INFORMATION:**Range Length: 50.2 ftVelocity 1: 10 ft.3.048 mVelocity Measurement Units: timeVelocity 2: 9.333 ft.2.844698 m

Chronographs will report the time of flight.

Data should be entered in μ s (10^{-6} s).**ARMOR DESCRIPTION:**Manufacturer: RMA Armament, Inc.Date Rec'd: 07/05/17Test ID: MC02900NIJ Armor Type: 3Style: Plate**SHOT-TO-EDGE REQUIREMENTS:**Threat 1: 2 Inches

Threat 2: _____ Inches

Labels legible and adhered after wear tests?: Yes (Yes/No)Labels legible and adhered after conditioning protocol?: Yes (Yes/No)**Labels meet the requirements of 4.1.5.3****ARMOR CONSTRUCTION:**Armor Test Configuration: Non-Planar**Plate**

Number of Layers: _____

Individual Layer Description: _____

In Conjunction With Panel (if applicable)Front Closure (Y/N): No

Number of Layers: _____

Description of Stitching: _____

Remarks: _____

Revision History: _____

REPORT

Use this space to enter any necessary supplemental information

NVLAP Lab Code: <u>200820-0</u>				Test Laboratory Name: <u>NTS:Chesapeake Testing</u> Report Identification Number: <u>21065-001</u> Issue / Revision Number: _____									
Penetration and BFS Summary Data				Report Date: <u>07/25/17</u>									
Test ID: <u>MC02900</u> Manufacturer: <u>RMA Armament, Inc.</u> Ammunition: <u>7.62mm</u> <u>147/FMJ</u>				<table border="1" style="margin: auto;"><tr><td style="text-align: right;">Test Velocity:</td><td style="text-align: center;">847.3</td><td style="text-align: center;">±9.1 m/s</td></tr><tr><td></td><td style="text-align: center;">(2780)</td><td style="text-align: center;">±30 ft/s</td></tr></table>				Test Velocity:	847.3	±9.1 m/s		(2780)	±30 ft/s
Test Velocity:	847.3	±9.1 m/s											
	(2780)	±30 ft/s											
Sample Information													
Sample Number	Soft Armor Panel		Hard Armor Plate		Gross Weight	Shot	Avg. Vel.	Perf	BFS				
	Lot Number	Serial Number	Lot Number	Serial Number	(lbs)	Number	(ft/s)	(Y=1/N=0)	(mm)				
1			231778	1	3.48	1	2785	0	38.6				
1			231778	1	3.48	2	2779	0	36.8				
1			231778	1	3.48	3	2804	0					
1			231778	1	3.48	4	2802	0					
1			231778	1	3.48	5	2799	0					
1			231778	1	3.48	6	2800	0					
2			231778	2	3.48	7	2811	0	36.8				
2			231778	2	3.48	8	2787	0	35.6				
2			231778	2	3.48	9	2787	0					
2			231778	2	3.48	10	2793	0					
2			231778	2	3.48	11	2803	0					
2			231778	2	3.48	12	2803	0					
3			231778	3	3.5	13	2787	0	37.8				
3			231778	3	3.5	14	2795	0	36.2				
3			231778	3	3.5	15	2786	0					
3			231778	3	3.5	16	2792	0					
3			231778	3	3.5	17	2793	0					
3			231778	3	3.5	18	2792	0					
4			231778	4	3.5	19	2804	0	39.1				
4			231778	4	3.5	20	2781	0	35.2				
4			231778	4	3.5	21	2802	0					
4			231778	4	3.5	22	2802	0					
4			231778	4	3.5	23	2795	0					
4			231778	4	3.5	24	2800	0					
5						25							
5						26							
5						27							
5						28							
5						29							
5						30							
Summary:													
		Perforations: <u>0</u>				BFS Statistics: Count: <u>8</u>							
		Maximum BFS: <u>39.1 mm</u>											
Pass - No BFS greater than 44 mm													
Overall P-BFS Summary													
Perforations: <u>0</u> This requirement is for all P-BFS tested samples													
This armor model meets the perforation performance requirements of NIJ Standard-0101.06 Section 7.8.8.													
Backface Signature: <u>This requirement is for all hard armor plate models</u>													
Maximum BFS: <u>39.1 mm</u>													
This armor model meets the BFS performance requirements of NIJ Standard-0101.06 Section 7.8.8 Item a.													
Compliance Test Report revision Hard Armor 1-11 (2012-03-30) / MS Excel version 15.0 / Operating System version Windows (32-bit) NT 6.01													

Armor Information	
Plate Subjected to hard armor conditioning	
Soft armor Panel Size (If used) C-2	Plate Size 3
NIJ Armor Type:	
Shots Per Plate (Type IV only):	

NVLAP Lab Code: 200820-0

Test Laboratory Name: NTS Chesapeake Testing

Report Identification Number: 21065-001

Issue / Revision Number:

Report Date: 7/25/2017

Test ID: MC02900

Manufacturer: RMA Armament, Inc.

Ammunition: 7.62mm 147/FMJ

Test Velocity: 847.3 ±9.1 m/s (2780) ±30 ft/s

Ballistic Limit Summary Data

Sample Information						Shot Number	Avg. Vel. (ft/s)	Perf (Y=1/N=0)	Remarks
Sample Number	Soft Armor Panel		Hard Armor Plate		Gross Weight (lbs)				
1	Lot Number	Serial Number	Lot Number	Serial Number	(lbs)	Number	(ft/s)		
1			231778	5	3.45	1	2861	0	V out of Range
1			231778	5	3.45	2	2892	0	
1			231778	5	3.45	3	2985	0	
1			231778	5	3.45	4	3103	0	
1			231778	5	3.45	5	3290	0	
1			231778	5	3.45	6	3312	0	
2			231778	6	3.51	7	3416	1	
2			231778	6	3.51	8	3380	1	
2			231778	6	3.51	9	3320	1	
2			231778	6	3.51	10	3326	1	
2			231778	6	3.51	11	3259	0	
2			231778	6	3.51	12	3349	1	
3			231778	7	3.48	13	2795	0	
3			231778	7	3.48	14	2981	0	
3			231778	7	3.48	15	3027	0	
3			231778	7	3.48	16	3231	1	
3			231778	7	3.48	17	3087	0	
3			231778	7	3.48	18	3174	0	
4			231778	8	3.5	19	3242	0	
4			231778	8	3.5	20	3227	0	
4			231778	8	3.5	21	3308	1	
4			231778	8	3.5	22	3254	1	
4			231778	8	3.5	23	3221	0	
4			231778	8	3.5	24	3256	0	
5			231778	9	3.5	25			
5			231778	9	3.5	26			
5			231778	9	3.5	27			
5			231778	9	3.5	28			
5			231778	9	3.5	29			
5			231778	9	3.5	30			

Key to Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

Armor Information

Plate Subjected to hard armor conditioning

Soft armor Panel Size (if used)

Plate Size

C-2

NIJ Armor Type: 3

Shots Per Plate (Type IV only):

Regression Analysis

Estimated V05: 970 m/s (3183) ft/s

Estimated V50: 1000.4 m/s (3282) ft/s

Probability of perforation at NIJ reference velocity: 847.3 m/sec (2780 ft/s)

0.0% Acceptable

NIJ Reference Velocity: 847.3 m/s (2780 ft/s)

Offset: + 9.1 m/s (+ 30 ft/s)

856.4 m/s (2810 ft/s)

Perforations below 856.4 m/s (2810 ft/s): 0 Acceptable

Total Usable Shots: 24 Acceptable

Perforations (Complete Penetrations): 8

Stops (Partial Penetrations): 16

Regression Model

Logistic

Test Data and Regression Model

Probability

Velocity (ft/s)

♦ Data

— V Ref.

— VTest + 9.1

— Est. Response

--- Est. V50

--- Est. V05

Overall Ballistic Limit Summary

Perforations below Vref + 9.1 m/sec: 0

This armor model meets the low perforation velocity performance requirements of NIJ Standard-0101.06 Section 7.9.5.

Probability of perforation at the P-BFS reference velocity: 0.0%

This requirement is for all Ballistic Limit tested samples

This armor model meets the estimated V05 performance requirements of NIJ Standard-0101.06 Section 7.9.5.

Compliance Test Report revision Hard Armor 1-11 (2012-03-30) / MS Excel version 15.0 / Operating System version Windows (32-bit) NT 6.01



King of Armor

Customer: RMA Armament
Test ID: MC02900
Model: 1062

Level: III

Job#: 21065-001

Post

Pce

Quartet



Customer: RMA Armament
Test ID: MC02900
Model: 1062

Level: III

Job #: 21065-001

Post