

15 February 2023

InterTek
8431 Murphy Drive
Middleton, WI 53562

Attention: Ms. Monika Bennett

Subject: Follow-up Inspection Test Report for RMA Armament, Inc., Body Armor Model No. 1155, Inspection ID No.: FIT-2022-12-05, tested in accordance with *Ballistic Resistance of Body Armor, NIJ Standard-0101.06* by NTS-Belcamp on 15 February 2023.

Dear Ms. Bennett:

On 15 February 2023, NTS-Belcamp conducted a Follow-up Inspection Test of RMA Armament, Inc., Body Armor Model No. 1155. The test was conducted in accordance with the requirements outlined in the *Ballistic Resistance of Body Armor, NIJ Standard-0101.06*, dated July 2008 and the Follow-up Inspection Requirements. The Follow-up Inspection Test Report No. OH000008270B, Inspection ID No.: FIT-2022-12-05 is enclosed.

NTS-Belcamp is not empowered to issue or deny the compliance status of Body Armor Model No. 1155; however, the attached Follow-up Inspection Test Report No. OH000008270B, indicates that the threat level IV requirements of the referenced NIJ standard were not satisfied due do a perforation on Sample ID 20230310010.

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,

A handwritten signature in cursive script that reads "Craig Thomas".

Craig Thomas
Range Operations Manager, NTS-Belcamp

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 (22USC 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.

NIJ CTP BA Type IV Follow-up Inspection Test Report



NVLAP LAB CODE Testing 200820-0

Test Laboratory Name: NTS Belcamp
 Address: 4603B Compass Point Road
Belcamp, MD

Report Identification Number: OH000008270B
 Issue/ Revision Number: Initial Issue
 Report Date: 15-Feb-23

Customer: Intertek
 Address: 545 E. Algonquin Rd.
Arlington Heights, IL 60005

Test Order #: FIT-2022-12-05

Sample Information:

Applicant: RMA Armament, Inc.
 Address: 22800 Dewey Rd. Centerville, IA
USA

Manufacturer: RMA Armament, Inc.
 Address: 22800 Dewey Rd. Centerville, IA
USA

Model #: 1155
 NIJ 0101.06 Threat Level: IV
 Shot to Edge Distance (T1): 51 mm

Date Received: 07-Feb-23
 Condition (as received): Undamaged
 Sample Identification: (1) 20230310006
 Sample Identification: (3) 20230310002

(2) 20230310010
 (4) 20230310004

FIT Phase 1 Test Summary:

Test Date Start: 15-Feb-23
 Test Method/Standard: NIJ 0101.06
 NIJ 0101.06 Threat Level: IV
 Velocity Units: ft/s

Finish: 15-Feb-23

- I. All samples were submerged in accordance with Clause 7.8.2 for "New" armor.
- II. All samples were subjected to one "fair hits" per panel in accordance with Section 7.8.
 Threat Bullet: .30 Caliber M2 AP (see Appendix A for additional information)
 Threat Velocity: 2880 ft/s

III. Test Results indicate: **ARMOR DOES NOT COMPLY WITH CTP FIT TEST REQUIREMENTS**

Authorized Signatory: Craig Thomas
 Function/Position: Range Operations Manager

Signature: *Craig Thomas*

Date: 02-15-2023

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.
 Reproduction of this test report is prohibited except in full.

NVLAP LAB CODE Testing 200820-0

Test Laboratory Name: NTS Belcamp
 Report Identification Number: OH000008270B
 Issue/ Revision Number: Initial Issue

Range Information:

Distance between trigger screen pair #1: 10 ft
 Distance between trigger screen pair #2: 9.333 ft
 Chronographs will report: time of flight μ s

Test Equipment:

Item	ID Number	Description	Calibration Dates		Acceptable
			Last	Next Due	
1.	103	Chronograph 1	26-Aug-22	26-Aug-23	YES
2.	112	Chronograph 2	26-Aug-22	26-Aug-23	YES
3.	A18117177	Powder Scale	16-Dec-22	16-Dec-23	YES
4.	WC078615	25 ft. Tape Measure	25-Jun-21	25-Jun-23	YES
5.	19/190029	BFD Tool	15-Nov-22	15-Nov-23	YES
6.	M21050298	Temp/ Humidity/ BP Sensor	18-Mar-22	18-Mar-23	YES
7.	192140234	Thermometer	23-Jun-22	23-Jun-23	YES
8.	840	Angle Block	20-Jun-22	20-Jun-23	YES
9.	1167313	100 ft. Tape Measure	26-Apr-22	26-Apr-24	YES
10.					
11.					
12.					
13.					
14.					
15.					

Notes (including deviations from, additions to, or exclusions from the test method):

Starpping: 2 vertical and 3 horizontal
 Test failed due to a perforation of Sample ID 20230310010.

NVLAP LAB CODE Testing 200820-0

Test Laboratory Name: NTS Belcamp
 Report Identification Number: OH000008270B
 Issue/ Revision Number: Initial Issue

FIT Type IV Test Data:

I. Sample 1 Threat: .30 Caliber M2 AP Sample ID: 20230310006

A. Armor Submersion (7.8.2 for "New" armor).

			water temperature	Acceptable	
			°F	66.8	YES
	Start	End	Total	Acceptable	
submersion time (hh:mm)	8:40	9:10	0:30	YES	
drying time (hh:mm)	9:10	9:20	0:10	YES	

B. Backing Material Consistency Validation (4.2.5.6)

Block ID: 8
 Time: 9:15
 Temperature: 98.7 °F

	mm	1	2	3	4	5	Acceptable
Indentation Depth:		17.7	18.7	18.9	17.7	16.8	YES
		Average				Acceptable	
	mm	17.96				YES	

C. Perforation Test (7.8)

	Start	Stop		Acceptable
Ambient Temp:	68.6	68.2	°F	YES
Rel. Humidity:	43	45	%	YES
Time:	9:20	9:30		YES

Sample Identification	Angle	Screen 1 µs	Velocity 1 ft/s	Screen 2 µs	Velocity 2 ft/s	Acceptable (deviation)
20230310006	0°	3499	2857.96	3263	2860.25	YES
20230310010	0°	3470	2881.84	3238	2882.33	YES
20230310002	0°	3480	2873.56	3248	2873.46	YES
20230310004	0°	3473	2879.36	3238	2882.33	YES

Sample Identification	Mean Velocity ft/s	Velocity Fair	Fair Shot/Hit (Location/Velocity)	Perforate	Acceptable
20230310006	2859.11	YES	YES	NO	YES
20230310010	2882.09	YES	YES	YES	NO
20230310002	2873.51	YES	YES	NO	YES
20230310004	2880.84	YES	YES	NO	YES

NVLAP LAB CODE Testing 200820-0

Test Laboratory Name: NTS Belcamp
 Report Identification Number: OH000008270B
 Issue/ Revision Number: Initial Issue

D. Backing Material Consistency Validation (4.2.5.6)

Block ID: 8
 Time: 9:35
 Temperature: 98.6 °F

mm	1	2	3	4	5	Acceptable
Indentation Depth:	18.9	19	18.6	19	16.9	YES

mm	Average	Acceptable
mm	18.48	YES

V. Additional Backing Material Consistency Validations (4.2.5.6)

A. Performed: Not Used

Block ID:
 Time:
 Temperature: °F

mm	1	2	3	4	5	Acceptable
Indentation Depth:						N/A

mm	Average	Acceptable
mm		N/A

B. Performed: Not Used

Block ID:
 Time:
 Temperature: °F

mm	1	2	3	4	5	Acceptable
Indentation Depth:						N/A

mm	Average	Acceptable
mm		N/A

C. Performed: Not Used

Block ID:
 Time:
 Temperature: °F

mm	1	2	3	4	5	Acceptable
Indentation Depth:						N/A

mm	Average	Acceptable
mm		N/A

END OF REPORT