

# Element Materials Technology Wichita

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## HARD ARMOR STAND-ALONE PLATE:

### P-BFS TEST

Date Received: August 1, 2024  
Via: UPS  
Returned Via: UPS

Record No.: RMA24003-4  
Test Date: August 2, 2024  
Customer: RMA

#### Test Conditions

Temperature: 71.3 °F  
Humidity: 52 %

Clay Block No.: 11  
Clay Block Size: 24" x 24" x 5.5" °F  
Clay Temp.: 97.6  
Drop Average: 18.34

#### Range 3

Muzzle to Screen 1: 10.00 ft.  
Screen 1 - 4: 5.00 ft.  
Screen 4 - Target: 10.00 ft.  
Midpoint to Target: 12.50 ft.  
Barrel Length: 20 in.

Test Standard: Modified / Abbreviated NIJ Standard 0101.07 October, 2023  
Threat Level: NIJ RF3  
Conditioning: Dropped / Wet

Sample Tested Description	Shot / Projectile Description					Chronograph		Test Results
	Shot No.	Shot Location	Degree Obliquity	Caliber	Bullet Weight (gr.) / Type	TIME sx-5	VELOCITY ft/s	Perforation BFD (mm)
Manufacturer: RMA Armament	1	1	0°	7.62x39mm	123 / MSC	211.4	2365	31.95
Model No.: 1062-Gen 2	2	2	0°			208.1	2403	29.21
Serial No.: SAMPLE3	3	3	30°			209.8	2383	No Perforation
Lot: 239822	4	4	30°			210.6	2374	No Perforation
Size (in.): 9.5 x 12.5								
Weight (lbs.): 3.150								

***This test was performed in accordance with the specification requirements listed in addition to any customer testing modifications or requests. The test results properly reflect the ballistic performance of the listed sample. This test report shall not be reproduced except in full without written approval of Element Materials Technology.***

#### Notes:

•Plate tested non-planar (with clay build-up/mound)

#### Ammunition Description:

7.62x39mm (Chinese Type 56) 123 gr. MSC (Steel Jacket Mild Steel Core PT BT\_IAW Figure 1a, b & c)  
Velocity: 2380 +/- 30 ft/s

#### Sample Description:

•Customer Proprietary.

Project Manager: Nold  
Range Tech(s): Cisneros