

**National Institute of Justice (NIJ)**

Approved Test Laboratory  
For Personal Body Armor

Expiration Date:

April 30, 2020

**National Technical Systems**

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NVLAP LAB CODE: 200818-0

Approved Signatory: Jake Crawford

**HARD ARMOR STAND-ALONE PLATE:**

Date Received: 08/05/19  
Via: USPS  
Returned Via: FedEx

**P-BFS TEST**

Record No.: SAS19007-1  
Test Date: 08/07/19  
Customer: Stealth Armor Systems

**Test Conditions**

Temperature: 70 °F  
Humidity: 52 %  
Clay Block No.: 13  
Clay Block Size: 24" x 24" x 5.5"  
Clay Temp.: 98.6 °F  
Drop Average: 18.26 mm  
Test Standard: IAW Test Sequence for Sample 1059  
IAW Modified / Abbreviated NIJ 0101.06, July 2008  
Threat Level: III  
Conditioning: New / Wet

**Range 3**

Muzzle to Screen 1: 39.30 ft.  
Screen 1 - 4: 5.00 ft.  
Screen 4 - Target: 5.70 ft.  
Midpoint to Target: 8.20 ft.  
Target to Witness: 0 ft.  
Barrel Length: 26 in.

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 BFS (mm)
Manufacturer: Stealth Armor Systems	1	Top Left	0°	7.62mm NATO	147 / FMJ (M80)	180.6	2769	28.91
Model No.: Hexar TITAN	2	Bottom Right	0°			179.4	2787	26.29
Type: Stand-Alone	3	Top Right	0°			180.2	2775	No Perforation
Style: Flex Plate	4	Middle Right	0°			178.9	2795	No Perforation
Plate Curve: Flat	5	Middle Left	0°			179.5	2786	No Perforation
Plate Cut: Full Cut	6	Bottom Left	0°			179.0	2793	No Perforation
Serial No.: Test Sample #1								
DoM: 8.1.19								
Test Sequence: Sample 1059								
Size: 10" x 12"								
Weight (lbs.): 6.44								
Threat Level: (NIJ 0101.06): III								

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**Test Remarks/Notes:**

•Stand-Alone Plate tested planar (pressed flat against clay backing)

**Test Requirements:**

Submersion: YES, IAW Section 7.8.2  
Drop Test: YES, IAW Sections 6.2.3.3 & 6.3.4 (7)  
BFS: Shot No. 1 & Shot No. 2 Only  
PASS / FAIL: BFS ≤ 44.0mm (Shots 1-2); No Perforations (Shots 1-6)

**Shot Spacing Requirements:**

•Shot Pattern: NIJ 0101.06, Level III 6-Shot Die Pattern  
•Shot-to-Edge: 2.0" Minimum  
•Shot-to-Shot: 2.0" Minimum

**Shot Locations:**

•Shot locations are described from shooter's perspective

**Test Round Description:**

Test Round: 7.62mm NATO, 147 gr. (9.6g) FMJ (U.S. Military M80)  
Test Velocity: 2780 +/- 30 ft/s

Shot No. 1: 3.0" from left and top edges  
Shot No. 2: 3.0" from right and bottom edges  
Shot No. 3: 3.0" from right and top edges; 4.0" from Shot No. 1 (↔)  
Shot No. 4: 3.0" from right edge; 3.0" from Shot No. 2 and Shot No. 3  
Shot No. 5: 3.0" from left edge; 3.0" below Shot No. 1; 4.0" from Shot No. 4 (↔)  
Shot No. 6: 3.0" from left and bottom edges; 3.0" below Shot No. 5; 4.0" from Shot No. 2 (↔)

**Sample Description:**

•Customer proprietary

Project Manager: Crawford  
Range Tech(s): Zerger