

National Institute of Justice (NIJ)

Approved Test Laboratory
For Personal Body Armor

Expiration Date:

April 30, 2020

National Technical Systems

7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.
Phone (316) 832-1600 Fax (316) 832-1602

Email ustl@nts.com

www.nts.com/location/wichita-ks/

HARD ARMOR STAND-ALONE PLATE:



NVLAP LAB CODE: 200818-0

Approved Signatory: Jake Crawford

Date Received: 04/19/19
Received Via: USPS
Returned Via: UPS

P-BFS TEST

Record No.: EWC19001-1
Test Date: 04/25/19
Customer: East West Consolidated, LLC.

Test Conditions

Temperature: 71 °F
Humidity: 46 %
Clay Block No.: 13
Clay Block Size: 24" x 24" x 5.5"
Clay Temp.: 97.6 °F
Drop Average: 20.63 mm
Test Standard: Modified / Abbreviated NIJ 0101.06, July 2008
Threat Level: III
Condition: New / Dry

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 in.
Barrel Length: 26 in.

Sample Tested Description		Shot / Ammunition Description				Chronograph		Test Results	
Manufacturer:	East West Consolidated, LLC.	Shot No.	Shot Location	Degree Obliquity	Caliber	Bullet Weight (gr.) / Type	TIME sx-5	VELOCITY ft/s	Perforation
Model No.:	Test Plate H17	1	Top Left	0°	7.62mm NATO	147 / FMJ (M80)	180.2	2775	44.64
Sample No.:	1 of 1	2	Bottom Right	0°			176.9	2826	42.33
Curve:	Single Curve	3	Top Right	0°			180.6	2769	No Perforation
Cut:	Shooter's Cut	4	Middle Right	0°			180.1	2776	No Perforation
Type:	Stand-Alone	5	Middle Left	0°			178.7	2798	No Perforation
Size:	10" x 12"	6	Bottom Left	0°			178.6	2800	No Perforation
Thickness:	0.75"								
Weight (lbs.):	3.65								
Threat Level:	N/A								

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Test Remarks/Notes:

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

Test Round Description:

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

Test Procedure / Requirements:

Shot Pattern: 6-Shot evenly spaced die pattern IAW Section 7.8.1
Shot-to-Edge: 2.0" minimum
Shot-to-Shot: 2.0" minimum
Submersion: No
Drop Test: No

Sample Description:

•Customer Proprietary

BFS Required: Shot No. 1 & Shot No. 2

PASS / FAIL: BFS ≤ 44.0mm (Shots 1-2); No Perforations (Shots 1-6)

Shot Locations (described from the shooter's perspective):

Shot No. 1: Top Left 2.75" from top left "l" edge; 3.0" from top edge
Shot No. 2: Bottom Right 3.0" from bottom and right edges
Shot No. 3: Top Right 2.75" from top right "r" edge; 3.0" from top edge
Shot No. 4: Middle Right 3.0" from right edge; 3.0" from Shot No. 2 & No. 3
Shot No. 5: Middle Left 3.0" from left edge; 3.0" below Shot No. 1
Shot No. 6: Bottom Left 3.0" from bottom and left edges; 3.0" below Shot No. 5

Project Manager: Nold
Range Tech(s): Wilson