

Element Materials Technology Wichita

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MODIFIED / ABBREVIATED NIJ 0115.00 STAB RESISTANCE TEST

Date Received: September 16, 2024
Via: UPS
Returned Via: UPS

Sample Tested
Manufacturer: Extant Armor
Model: Equites III
S/N: N/A
Lot No.: N/A
Size: 10 x 12 in.
Weight (lbs.): 1.66

Test Conditions
Range: Stab Room
Temperature: 73 °F
Humidity: 53 %

Record No.: EXT24001-1
Test Date: September 18, 2024
Customer: Extant Armor

Laser Beam Distance:	30 mm		Upper Drop Mass: 1245 g											
Drop Number	1		2		3		4							
Strike Energy Goal (J)	E1	43	E2	65	E1	43	E2	65						
Angle of Incidence	0°		0°		0°		0°							
Threat Weapon	Spike		Spike		P1/A		P1/A							
Spike Mass & P1/A (g)	7		7		19		19							
Lower Mass w/o Blade (g)	652		652		634		634							
Total Drop Mass (g)	1904		1904		1898		1898							
Drop Height	ft	in	ft	in	ft	in	ft	in						
	7	10	11	11	7	10	11	11						
Time to Traverse Beams (ms)	4.515		3.688		4.520		3.688							
Drop Energy (J)	43.5		65.1		43.3		64.8							
Fair Hit (Y / N)	Y		Y		Y		Y							
Penetration (mm)	0		0		0		0							
Impact Location	Top Left		Right Center		Top Right		Bottom Left							
Remarks / Notes:														

This test report may not be used to claim product certification, approval, or endorsement by NVLAP, NIST, NIJ or any agency of the Federal Government. This report contains data that are not covered by the NVLAP accreditation. 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 performance of the listed sample. This report shall not be reproduced except in full without written approval of Element Materials Technology Wichita. Classification: EAR

Test Notes / Remarks:

- Customer requested (4) drops
- Sample tested with cover
- Drop 1-4: Impact on tile

Sample Description:

- Customer proprietary

Technician: Nguyen