

# NTS Technical Systems Test Report for Stab Resistance Testing

**Project No.:** PH00008242    **Tested:** 18 September 2023    **P.O. No.:** J-230813NTS

**Prepared For**

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**Prepared By**

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Further dissemination only as directed by Lam Enterprise Co., 28 September 2023.

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### Revision History

Rev.	Description	Issue Date
0	Initial Release	28 September 2023

# STAB RESISTANCE TEST

**NTS-Belcamp**  
 4603B Compass Point Rd  
 Belcamp, MD 21017

Client: Armor Japan  
 Project No.: PH00008242-1  
 Test Date: 9/18/2023

**Test Panel** Description: 8 x 8 Panel

Manufacturer: Lam Enterprise Co.

Sample No.: NA

Model No.: AR40  
 Lot No.: NA  
 Gender: NA  
 Size: NA

Plies: 40  
 Weight: 0.46 lbs.  
 Coverage Area: NA  
 Areal Density: NA

Date Received: 9/18/2023  
 Via: FedEx  
 Returned: FedEx

**Setup**

Temp: 69.0 °F  
 BP: 29.99 inHg  
 RH: 51 %

Armor Condition: Ambient  
 Drop Mass: 1.91 kg  
 Witness Material: Yes

Ball Drop Bounces: 15 in. 15 in.  
 Tester: Jason Kelsch  
 Recorder: Jason Kelsch

**Applicable Standards or Procedures**

- (1) AS PER CUSTOMER REQUEST
- (2) NIJ-0115.00

Impact No.	Threat	Tip Sharpness (HRC)	Level	Energy Level	Angle of Incidence (deg.)	Drop Height (m)	Impact Velocity (m/s)	Strike Energy (J)	Depth of Penetration (mm)	Footnotes
1	P1	-60	1	E1	0.0	1.30	4.99	14.82	0.0	
2	P1	-60	1	E2	0.0	1.95	6.15	22.50	20.0	
3	S1	-60	1	E2	0.0	1.95	6.15	22.50	1.0	
4	Spike	-60	1	E1	0.0	1.30	5.02	14.99	0.0	
5	Spike	-60	1	E2	0.0	1.95	6.18	22.72	0.0	

**Remarks:**

Lot Numbers as of 3.28.2022 KCN

Threat: Spike, Manufacturer: Contra Threat Sciences LLC., Lot No.: 7NIJ110921

Threat: P1/A, Manufacturer: High Speed Carbide, Lot No.: NA

Threat: S1/G, Manufacturer: High Speed Carbide, Lot No.: NA

**Footnotes:**

## ATTACHMENT A CALIBRATION DATA

Asset Number	Asset Type	Manufacturer	Model	Calibrated	Due
465	Stab Tower	BioKinetics	Stab Tower Apparatus	NA	NA
192291247	Thermometer and Humidity Monitor	Control Company	4040	10/28/2022	10/28/2023
EL00004021	Stab Sabot	BioKinetics	Stab Sabot	NA	NA
EL00004023	Velocity Gate	BioKinetics	Velocity Gate	NA	NA
1	Stab Tower Potentiometer	Sakae	MT46-20	NA	NA

**END OF REPORT**