

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Adept Incorporated

Project No.: PR161543

Test Date: 08/05/2022

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Test Panel Description: Torso plate tested stand alone. AA-XX01. IV+RF3+-WR-TISIC/V1.

Manufacturer: Adept Incorporated

Sample No.: (M993, V0) COLOSSUS

Size: 9.50 x 11.50 in
Avg. Thickness: N/A
Thicknesses: N/A

Weight: 6.480 lbs
Plies/Laminates: N/A

Date Received: 07/25/2022
Received Via: FEDEX Ground
Returned Via: FEDEX Ground

Setup

Shot Spacing: NIJ-STD-0101.06
Level IV
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Ambient

Primary Vel. Screens (ft): 37.000, 37.333,
46.666, 47.000
Primary Vel. Location (ft): 42.000
Range to Target (ft): 50.200
Target to Witness (in): 0.000

Range No.: Range 1
Temp: 68.2 °F
BP: 30.1 inHg
RH: 54 %
Barrel/Gun: N/A
Gunner: Nick Dawson
Recorder: James Eveland

Ammunition

Projectile	Lot No.	Manufacturer	Powder
(1) 7.62 x 51-mm, 129-grain M993/AP8	NA	Contra Threat Sciences	N133

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 2:25 PM; Block No. WC074194; Temp: 94.1 °F; Drop Depths: 18.9 mm, 17.8 mm, 20.1 mm, 20 mm, 18.4 mm

(1) NIJ-STD-0101.06 Level IV (Modified)

(2) Customer Request

Shot No.	Ammo	Powder/ Seating	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Deformation (mm)	Obliq. (°)	Footnotes
1	1	50.0	129	3270	3058	3050	3060	3059	None	24.1	0	

Remarks:

Required Velocity: 3050 - 3100 ft/s

Projectile yaw check: 0 degree yaw on all impacts.

Footnotes:

N/A