BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing
4603B Compass Point Road
Belcamp, MD 21017

Client: ShotStop Ballistics, LLC
Job No.: 2631-014-1
Test Date: 3/30/2017

Test Panel

Description: Plate tested as stand-alone. Model: D1789SSB, Lot No.: 10550-8

Manufacturer: ShotStop Ballistics, LLC

Sample No.: OH11460-10550-8-12

Size:	10.00 x 12.00 in	Weight:	4.82 lbs	Date Received:	3/29/2017
Avg. Thick:	NA	Plies/Laminates:	NA	Via:	FedEx
Thickness:	NA			Returned:	FedEx

Setup

Shot Spacing:	NIJ-STD-0101.06 Level III	Primary Vel. Screens (ft):	37.000, 37.333, 46.667, 47.000	Range No.:	4
Witness Panel:	Clay	Primary Vel. Location (ft):	42.000	Temp:	68.7 °F
Backing Material:	5.5-in clay/plywood	Range to Target (ft):	50.200	BP:	30.0 inHg
Condition:	Ambient	Target to Witness (in):	0.000	RH:	33.2%
				Barrel/Gun:	CT-4065
				Gunner:	Joe Moore
				Recorder:	C. Blackburn

Ammunition

Projectile	Lot No.	Powder
(1) 5.56 x 45-mm, 62-grain M855 ball	NA	N 110

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 2:10 PM; Block No.: 20; Temp.: 96.6 °F; Drop Depths: 18.0mm,17.3mm,18.9mm,18.1mm,17.7mm
(1) NIJ-STD-0101.06 Level III (modified)
(2) Customer request

Shot No.	Ammo	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	62.9	3254	3073	3036	3074	3074	None	22.3	0.0	
2	1	62.9	3259	3068	3041	3069	3069	None	24.6	0.0	
3	1	62.8	3259	3068	3041	3069	3069	None	26.9	0.0	
4	1	62.7	3250	3077	3032	3078	3078	None	31.7	0.0	
5	1	63.0	3250	3077	3032	3078	3078	None	34.2	0.0	
6	1	62.5	3254	3073	3036	3074	3074	None	30.2	0.0	

Remarks:
Required velocity: 3050 ±30ft/s
M855 ball commonly known as SS109 (Green Tip)

Footnotes:

SHOTSTOP BALLISTICS, LLC, PROPRIETARY INFORMATION