



BALLISTIC RESISTANCE TEST - V₀

Customer: Armourer's Choice Inc.
 OBL ID#: 24880
 Date Rcv'd: 5/6/2020
 Test Date: 5/6/2020
 Purchase Order: AC1913.1

TEST SAMPLE

Sample No.:	AC-ACHelmet	Size:	N/A			
Model No.:	H2	Weight (lb.):	2.33			
Lot No.:	N/A	Thickness:	0.296	0.258	0.298	0.289
Plies:	N/A	Avg. Thk. (in):	0.285			
Description:	Level IIIA Ballistic Helmet					

RANGE SET-UP

Range to Target:	15 ft.	Range #:	3	Pre Test:	CLAY CALIBRATION NOT REQUIRED
Screen Dist. Vel. 1 (ft.):	5	Temperature:	72.7 °F	Clay Drops (mm):	
Screen Dist. Vel. 2 (ft.):	5	Bar. Pressure:	30.46 in. Hg	Drop Avg (mm):	
Screen 4 to target (ft):	N/A	Rel. Humidity:	41.9 %	Clay Temp °F:	
Primary Vel. Location:	8.25 ft. from target	Sample Temp.	Amb. °F	Clay Box #:	
Striking Velocity:	No	Recorder:	Aubrey Rogers	Post Test:	
Target to Witness:	2 in.	Gunner:	Josh Humphreys	Clay Drops (mm):	
Witness Panel:	Headform w/ .020" 2024-T3 Alum.			Drop Avg (mm):	
Backing Material:	N/A			Clay Temp °F:	
Obliquity:	0 Degrees				
Barrel:	.44 Mag/1:20/15"				

AMMUNITION

Projectile: .44 Mag 240gr. SJHP Lot #4453 Powder: D032-03

STANDARDS / PROCEDURES

NIJ-STD-0106.01 (mod) Required Velocity: 1430 fps ± 30 fps
 NIJ-STD-0101.06 Level IIIA

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 (µs (10 ⁻⁶))	TIME 2 (µs (10 ⁻⁶))	VELOCITY 1 (ft/s)	VELOCITY 2 (ft/s)	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	240.8	11.8	3476	3487	1438	1434	1436	P	0°		Front / Dented Witness
2	240.9	11.8	3475	3472	1439	1440	1440	P	0°		Back / Dented Witness
3	241.1	11.8	3500	3498	1429	1429	1429	P	0°		Left
4	240.9	11.8	3452	3449	1448	1450	1449	P	0°		Right / Dented Witness

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

This report pertains only to the samples tested and must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.