



# BALLISTIC RESISTANCE TEST - V<sub>0</sub>

Customer: Armourer's Choice  
 OBL ID#: 29514  
 Date Rcv'd: 7/1/2021  
 Test Date: 7/2/2021  
 Purchase Order:

TEST SAMPLE		Size: Large				
Sample No.:	73	Weight (lb.):	3.25	0.398	0.460	0.357
Model No.:	N/A	Thickness:	0.511			
Lot No.:	N/A	Avg. Thk. (in):	0.432			
Plies:	N/A					
Description:	Ballistic Helmet					

RANGE SET-UP		Range #:		Pre Test:					
Range to Target:	15 ft.	Range #:	3	Clay Drops (mm):	18.64	19.36	18.43	19.59	19.00
Screen Dist. Vel. 1 (ft.):	5	Temperature:	80.1 °F	Drop Avg (mm):	19.00				
Screen Dist. Vel. 2 (ft.):	4	Bar. Pressure:	30.00 in. Hg	Clay Temp °F:	98.2				
Screen 4 to target (ft):	N/A	Rel. Humidity:	51.7 %	Clay Box #:	10				
Primary Vel. Location:	7.5 ft. from target	Sample Temp.:	Amb. °F	Post Test:					
Striking Velocity:	No	Recorder:	Brian Wyler	Clay Drops (mm):	18.14	18.30	7.00	17.48	17.03
Target to Witness:	N/A	Gunner:	Josh Humphreys	Drop Avg (mm):	15.59				
Witness Panel:	N/A			Clay Temp °F:	96.8				
Backing Material:	Clay Filled Headform								
Obliquity:	0 Degrees								
Barrel:	9mm Luger/1:10/4.5"								

AMMUNITION		Powder:
Projectile:	9mm 124gr. FMJ Lot #23558	Accurate No. 2

STANDARDS / PROCEDURES		Required Velocity:
AR/PD10-02 Rev.A2012		1400 fps + 50 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 $\mu$ s (10 <sup>-6</sup> )	TIME 2 $\mu$ s (10 <sup>-6</sup> )	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	123.5	7.4	3454	2755	1448	1452	1450	P	0°	13.67	Front
2	123.5	7.4	3457	2758	1446	1450	1448	P	0°	6.28	Left
3	123.5	7.4	3437	2742	1455	1459	1457	P	0°	12.30	Back
4	123.5	7.4	3411	2721	1466	1470	1468	P	0°	14.36	Right
5	123.4	7.4	3416	2725	1464	1468	1466	P	0°	15.76	Crown

**REMARKS:**  
 P=Partial Penetration  
 C=Complete Penetration  
 UH=Unfair Hit  
 Projectile Yaw Check: <5° Yaw on all Velocity Shots.

**TEST RESULTS:**

**FOOTNOTES:**  
 Sample was not subjected to Armor Drop Test.  
 Sample was not subjected to Armor Submersion.

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.