

Ballistic Test Report**The Client:** Bagira Gear**Description:** Ballistic UHMWPE Helmet MICH Size: L**Model:** SHAHAR (Gen.3) With picatinny Green With Cover
D.O.M. 2024**Date:** 22/12/2024**Report No.:** 16364**Panel Details:****Weight (kg.):** 1.71

(lbs.)

Thickness (mm): 10.4

(inches):

Dry sample (X) \ **Wet sample** ()**Test Std.:** NIJ STD. 0106.01 **Level:** III-A**Velocity:** 427 - 445 m/s**Lab. Set-up**

(*) Range to Target : 5 m. / 16.40 feet

(*) Temperature : 23 °C / 73 °F

(*) Rel. Humidity : 55 (%)

Test Results

Shot No.:	Test Bullet	Bullet		Distance (feet) (meters)	Angle 90 deg. unless specified	Velocity (ft/sec) (m/sec)	Penetrated/ Stopped	BFS mm
		Description	Weight (grains) (grams)					
1	9X19 FMJ RN	I.M.I.	124 8.0	16.40 5	0	1445 440.4	Stopped	10.0
2	9X19 FMJ RN	I.M.I.	124 8.0	16.40 5	0	1455 443.5	Stopped	12.0
3	9X19 FMJ RN	I.M.I.	124 8.0	16.40 5	0	1440 438.9	Stopped	17.0
4	9X19 FMJ RN	I.M.I.	124 8.0	16.40 5	0	1449 441.7	Stopped	12.0
5	9X19 FMJ RN	I.M.I.	124 8.0	16.40 5	0	1448 441.4	Stopped	14.0
6								
7								
8								

Remarks:**Bullet:** No.1 Crown. No. 2 Back. No. 3 Left Ear. No. 4 Right Ear. No. 5 Front.

The tested sample complies (X) \ doesn't comply () to the requirements.

Tested by: YUVAL FUCHS



V₅₀ Ballistic Test Report**The Client:** Bagira GearDescription: UHMWPE Helmet Model: MICH Green
Size: L D.O.M. 2024

Date: 22/12/2024

Report No.: 16365

Order details: With picatinny And cover 1.716 kg Shell only 1.257 kg.

Panel Details:

Weight (kg.): 1.257

(lbs.) --

Thickness (mm): 10.5

(inches): --

Dry sample (X) \ Wet sample ()

Test Std.: MIL STD 662-F**Projectile/Round:**

(*) Type: FSP Fragment No.1

(*) Origin: PTI Machine Inc

(*) Weight: 17 grains / 1.020 gr.

Lab. Set-up

(*) Range to Target : 5 m. / 16.40 feet

(*) Temperature : 23 °C / 73 °F

(*) Rel. Humidity : 55 (%)

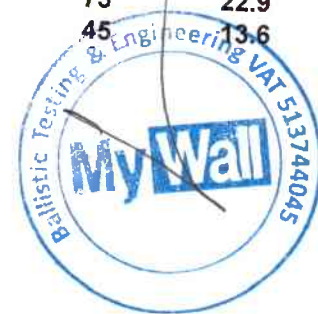
(*) Measured Vel. To Target 1.6n.
2.5m/8.2 feet**Results**

Measured Velocity			Corrected striking velocity			
Shot No.			Incl. partials		Incl. completes	
	(ft/sec)	(m/sec)	(ft/sec)	(m/sec)	(ft/sec)	(m/sec)
1	2589	789.1				
2	2564	781.5				
3	2533	772.1				
4	2577	785.5	2413	735.6	2443	744.6
5	2540	774.2				
6	2546	776.0	2420	737.7		
7	2521	768.4			2426	739.4
8	2493	759.9			2402	732.1
9	2485	757.4			2375	724.0
10	2496	760.8	2368	721.7		
			2378	724.9		

Note: Results marked with "*" are excluded from the V₅₀ calculation.**Summary of results**

	(ft/sec)	(m/sec)		(ft/sec)	(m/sec)
Measured V ₅₀ :	2522	768.8	High Partial:	2420	737.7
Deduction:	119	36.3	Low Complete:	2375	724.0
V50 requirements:	2395	730	Range of Results:	75	22.9
			Range of Mixed Results:	45	13.6
V ₅₀ (after deduction):	2403	732.5			

Remarks:



The tested sample complies (X) \ doesn't comply () to the requirements.

Tested by: YUVAL FUCHS