

**V<sub>50</sub> Ballistic Test Report**

**The Client:** TELOP TRADING CO LTD T/A KATTLAN  
**Description:** Ballistic UHMWPE Helmet Type:FAST Green  
 Batch: ODS2023IL17A(F) Size:L Date:27.11.2023  
**Order details:** 1.476 kg With picatinny Shell only:1.092 kg

Date: **28.12.2023**  
 Report No.: **14453**

**Panel Details:****Weight (kg.):** 1.092

(lbs.) --

**Thickness (mm):** 9.7

(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 : **22** °C / 72 °F  
 (\*) Rel. Humidity : **55** (%)  
 (\*) Measured Vel. To Target 1.6n.  
 2.5m/8.2 feet

**Results**

Shot No.	Measured Velocity		Comp. /Part. (C/P)	Corrected striking velocity			
	(ft/sec)	(m/sec)		Incl. partials		Incl. completes	
1	2541	774.5	C			2421	737.9
2	2459	749.5	P	2343	714.1		
3	2486	757.7	P	2369	722.0		
4	2501	762.3	P	2383	726.3		
5	2520	768.1	P	2401	731.8		
6	2587	788.5	C			2465	751.3
7	2577	785.5	C			2455	748.4
8	2569	783.0	C			2448	746.1

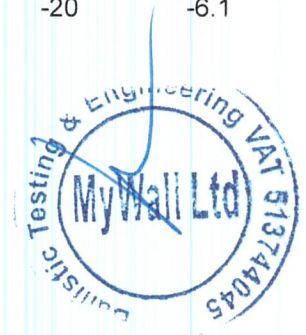
**Note:** Results marked with "\*" are excluded from the V<sub>50</sub> calculation.

**Summary of results**

	(ft/sec)	(m/sec)		(ft/sec)	(m/sec)
Measured V <sub>50</sub> :	2530	771.1	High Partial:	2401	731.8
Deduction:	119	36.4	Low Complete:	2421	737.9
V50 requirements:	<b>2296</b>	<b>700</b>	Range of Results:	122	37.2
<b>V<sub>50</sub> (after deduction):</b>	<b>2411</b>	<b>734.7</b>	Range of Mixed Results:	-20	-6.1

Remarks:

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

Tested by: **YUVAL FUCHS**

**Ballistic Test Report****The Client:** TELOP TRADING CO LTD T/A KATTLANDate: **28/12/2023**Description: **Ballistic UHMWPE Helmet Model:FAST Green**Report No.: **14454**

Batch No:ODS2023IL17A(F) with picatinny Green Date:27/11/2023

**Panel Details:**Weight (kg.): **1.497**  
(lbs.)Thickness (mm): **9.8**  
(inches):Dry sample (  ) \ 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 : **22** °C / 72 °F(\*) Rel. Humidity : **54** (%)**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	1411 430.1	Stopped	9.0
2	9X19 FMJ RN		124 8.0	16.40 5	0	1447 441.0	Stopped	17.0
3	9X19 FMJ RN		124 8.0	16.40 5	0	1413 430.7	Stopped	14.0
4	9X19 FMJ RN		124 8.0	16.40 5	0	1424 434.0	Stopped	15.0
5	9X19 FMJ RN		124 8.0	16.40 5	0	1426 434.6	Stopped	19.0
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 (  ) \ doesn't comply (  ) to the requirements.

Tested by: YUVAL FUCHS

