

# H.P. WHITE LABORATORY, INC.

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26 March 2014  
(HPWLI 000002479)

Wealthy Global Corporation  
Bullet Proof Department  
10F., No. 31, Sec. 5, Nanjing E. Rd.  
Songshan Dist. Taipei City 105  
Taiwan R.O.C.

Attention: Anny Kao

In accordance with your instructions, H.P. White Laboratory, Inc. conducted ballistic resistance testing of one (1) rigid woven aramid fiber in matrix helmet received 21 March 2014 via DHL.

Testing was conducted in accordance with your instructions, and the modified provisions of NIJ-STD-0106.01, BALLISTIC HELMETS, using caliber 9mm, 124 grain, FMJ ammunition. The test sample was mounted on an indoor range 16.5 feet from the muzzle of a test barrel to produce zero degree obliquity impacts. Photoelectric infrared screens were positioned at 6.5 and 9.5 feet which, in conjunction with elapsed time counters (chronographs), were used to compute projectile velocities 8.0 feet from the muzzle. Penetrations were determined by visual examination of a 0.020-inch thick alloy 2024T3 aluminum witness panel positioned 5.0 inches behind, and parallel to, the test sample. Table I presents a summary of the attached data record.

**TABLE I. SUMMARY OF RESULTS**

Test Sample			Ballistic Threat				Results
Number	Weight (lbs.)	Thickness (in) (a)	Caliber	Shots (b)	Velocity (fps) Max Min		Penetrations
BH-TS-30-S0314001	3.15	0.314	9mm	4	1447	1424	0
(a) Average of four-area thickness.							
(b) See data records for shot placement.							

This report is based on data obtained from having tested only the samples submitted, and should NOT be interpreted as an endorsement by H.P. White Laboratory, Inc. of the continuing quality, or performance, of any other items of the same, or similar, design

The test sample is being returned via DHL. Should you have any questions regarding this matter, or if we may be of any further service, please do not hesitate to contact us.

Sincerely,

H.P. White Laboratory, Inc.

Tina Chaffman

TC/tc  
Enclosure



**TEST PANEL**

Manufacturer : WEALTHY GLOBAL CORPORATION	Sample No. : BH-TS-30-S0314001	Date Rec'd. : 3/21/14
Size : UNKNOWN	Weight : 3.15 lbs.	Via : DHL
Thicknesses : 0.319, 0.306, 0.309, 0.321 in.	Hardness : NA	Returned : DHL
Avg. Thick. : 0.314 in.	Plies/Laminates : NA	
Description : RIDGID WOVEN ARAMID FIBER IN MATRIX, (HELMET)		

**SET-UP**

Shot Spacing : PER NIJ-STD-0101.06 LEVEL IIIA	Primary Vel. Screens : 6.5 ft., 9.5 ft.	Range No. : 10
Witness Panel : 0.020", 2024-T3 ALUMINUM	Primary Vel. Location : 8.0 ft. From Muzzle	Temp. : 68 F
Obliquity : 0 deg.	Residual Vel. Screens : NA	BP : 30.07 in. Hg
Backing Material : NA	Residual Vel. Location : NA	RH : 48%
Conditioning : AMBIENT	Range to Target : 16.5 ft.	Barrel No./Gun : 9mm R10
	Target to Wit. : 5.0 in.	Gunner : ALLINGHAM
		Recorder : WOLFE

**AMMUNITION**

(1) : 9mm, FMJ, 124 gr.	Lot No. : 23558
(2) :	Lot No. :
(3) :	Lot No. :
(4) :	Lot No. :

**APPLICABLE STANDARDS OR PROCEDURES**

- (1) : PER NIJ-STD-0106.01 (MODIFIED)
- (2) : LEVEL IIIA
- (3) : REQUIRED VELOCITY: 1350-1450 fps

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	2073	1447	2073	1447	1447	None	(a)
2	1	2091	1435	2096	1431	1433	None	(b)
3	1	2105	1425	2109	1422	1424	None	(c)
4	1	2073	1447	2078	1444	1445	None	(d)

<b>REMARKS :</b>	<b>FOOTNOTES :</b> (a) SHOT IMPACTED ON FRONT OF HELMET (b) SHOT IMPACTED ON BACK OF HELMET (c) SHOT IMPACTED ON RIGHT OF HELMET (d) SHOT IMPACTED ON LEFT OF HELMET
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