H.P. WHITE LABORATORY. INC.

3114 Scarboro Road Street, Maryland 21154-1822

Telephone: (410) 838-6550 Facsimile: (410) 838-2802 Email: info@hpwhite.com

www.hpwhite.com

7 August 2009 (HPWLI 11159-05E)

Daw Tech, LLC 1600 West 2200 South, Suite 201 Salt Lake City, Utah 84119

Attention: Mr. Peter Spransy

Gentlemen:

In accordance with your instructions, H.P. White Laboratory, Inc. conducted ballistic resistance testing of two proprietary armor samples received 30 July 2009 via United Parcel Service.

Testing was conducted in accordance with the provisions of NIJ-STD-0108.01, BALLISTIC RESISTANT PROTECTIVE MATERIALS, dated September 1985, Level IIIA, using caliber .44 Magnum, 240 grain, SWCGC ammunition and caliber 9mm Luger, 124 grain, FMJ ammunition. The test samples were rigidly fixtured on an indoor range 16.5 feet from the muzzle of a test barrel to produce zero degree obliquity impacts. Photoelectric lumiline screens were positioned at 6.5 and 9.5 feet which, in conjunction with dual elapsed time counters (chronographs), were used to compute projectile velocities 8.0 feet forward of the muzzle. Penetrations were determined by visual examination of a 0.020 inch thick aluminum alloy 2024T3 witness panel positioned 6.0 inches behind, and parallel to, the test samples. Table I presents a summary of the enclosed data records.

Table I. Summary of Results									
Test Sample		Results							
Number	Weight (lb)	Caliber	Obliquity (degrees)	Shots	Velocity (fps) (a)		Penetrations		
					Max	Min			
Test-7 (44MAG)	Na	.44 Magnum	0	5	1431	1372	0		
Test-8 (44MAG))	Na	9mm Luger	0	5	1425	1392	0		

Based on the data presented in Table I, the test samples submitted for testing SATISFIED the ballistic resistance requirements of NIJ-STD-0108.01, Level IIIA. This conclusion 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 samples are being returned via United Parcel Service. 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.

g B. Dunn

CBD/tc Enclosures



H.P. White Laboratory, Inc.

BALLISTIC RESISTANCE TEST

Client: DAW TECH

Job No.: 11159-05

Test Date: 8/5/09

TEST PANEL

Manufacturer: DAW TECH

Size: 12 x 12 in.

Thicknesses: NA Avg. Thick.: NA

Description : PROPRIETARY

FRAME #1

Sample No.: TEST-7 (44 MAG)

Weight: N/A lbs.

Hardness : NA

Plies/Laminates: NA

Date Rec'd.: 7/30/09

Via: UPS

Returned : UPS

SET-UP

Shot Spacing: 4 ON 8" SQUARE - 1 IN CENTER

Witness Panel: 0.020", 2024-T3 ALUMINUM

Obliquity: 0 deg.

Backing Material: NA

Conditioning : AMBIENT

Primary Vel. Screens: 6.5 ft., 9.5 ft.

Primary Vel. Location: 8.0 ft. From Muzzle

Residual Vel. Screens: NA

Residual Vel. Location: NA Range to Target: 16.5 ft.

Target to Wit.: 6.0 in.

Range No.: 3

Temp.: 70 F

BP: 30.12 in. Hg

RH: 78%

Barrel No./Gun: R2,44 MAG

Gunner: CONTRERAS J./MILLET

Recorder: BONSALL

AMMUNITION

(1): 44 MAG., SWCGC, 240 gr.

(2):

(3):

(4):

Lot No.: PMC B44243

Lot No.:

Lot No. : Lot No.:

APPLICABLE STANDARDS OR PROCEDURES

(1): NIJ-STD-0108.01

(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 2 3 4 5	1 1 1 1	2145 2184 2127 2094 2117	1399 1374 1410 1433 1417	2154 2190 2136 2100 2123	1393 1370 1404 1429 1413	1396 1372 1407 1431 1415	None None None None None	
*								

REMARKS:

FOOTNOTES:

Filename: 11159-05 (TEST-7 (44 MAG)) DAW TECH.Pen



H.P. White Laboratory, Inc.

BALLISTIC RESISTANCE TEST

Client : DAW TECH

Job No.: 11159-05

Test Date: 8/5/09

TEST PANEL

Manufacturer: DAW TECH

Size: 12 x 12 in.

Thicknesses: NA Avg. Thick.: NA

Description : PROPRIETARY FRAME #1

Sample No.: TEST-8 (9MM)

Weight: N/A lbs.

Hardness : NA

Plies/Laminates : NA

Date Rec'd.: 7/30/09

Via : UPS

Returned : UPS

SET-UP

Shot Spacing: 4 ON 8" SQUARE - 1 IN CENTER

Witness Panel: 0.020", 2024-T3 ALUMINUM

Obliquity: 0 deg. Backing Material: NA

Conditioning : AMBIENT

Primary Vel. Screens: 6.5 ft., 9.5 ft.

Primary Vel. Location: 8.0 ft. From Muzzle

Residual Vel. Screens : NA

Residual Vel. Location: NA Range to Target: 16.5 ft.

Target to Wit.: 6.0 in.

Range No. : 3

Temp.: 70 F

BP: 30.12 in. Hg

RH: 78%

Barrel No./Gun: R2,9MM

Gunner: CONTRERAS J./MILLET

Recorder : BONSALL

AMMUNITION

(1): 9mm, FMJ, 124 gr.

(2): (3):

(4):

Lot No.: PMC B44243

Lot No. : Lot No. :

Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

(1): NIJ-STD-0108.01 (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 2 3 4 5	1 1 1 1 1	2137 2151 2103 2129 2137	1404 1395 1427 1409 1404	2145 2159 2109 2141 2150	1399 1390 1422 1401 1395	1401 1392 1425 1405 1400	None None None None None	

REMARKS:

FOOTNOTES:

Filename: 11159-05 (TEST-8 (9MM)) DAW TECH.Pen