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22 April 2014

China Xinxing import and export Co., Ltd.

No.17, Xisanhuan Middle road,
Beijing,
China.

In accordance with your written instructions, H.P. White Laboratory, Inc. conducted Ballistic Resistance Testing of four (4) proprietary armor samples received 17 April 2014 via DHL.

Testing was conducted in accordance with your instructions and the modified provisions of NIJ-STD-0106.01, Level IIIA, using 9mm, 124 grain, FMJ and 44 Magnum, 240 grain, SWCGC ammunitions. The test samples were mounted on an indoor range 16.5 feet from the muzzle of a test barrel to produce zero degree obliquity impacts. Velocity 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 from the muzzle. Table I presents a summary of the attached data records.

TABLE I. SUMMARY OF RESULTS

Test Sample			Ballistic Threat					Results
Conditioning	Sample Number	Weight (lbs)	Caliber	Obliquity (degrees)	Shots	Velocity(fps) Max. Min		Penetrations
Ambient	(9mm)-Dry	3.21	9mm	0	4	1419	1397	0
Wet	(9mm)-Wet	3.18		0	4	1444	1407	0
Ambient	(44Mag)-Dry	3.19	44 Magnum	0	4	1430	1367	0
Wet	(44Mag)-Wet	3.18		0	4	1425	1384	0
(a) See data sheet for shot locations.								

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 samples will be discarded. 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/ag
Enclosure



TEST PANEL

Manufacturer : China Xinxing Import And Export Co., Ltd .
Size : UNKNOWN in.
Thicknesses : 0.325, 0.319, 0.322, 0.313 in.
Avg. Thick. : 0.320 in.
Description : RIGID WOVEN ARAMID FIBER IN MATRIX.
(HELMET) MODEL-ZB-H

Sample No. : (9MM) - DRY
Weight : 3.21 lbs.
Hardness : NA
Plies/Laminates : UNKNOWN

Date Rec'd. : 4/17/14
Via : DHL
Returned : N/A

SET-UP

Shot Spacing : PER NIJ-STD-0106.01
Witness Panel : 0.020", 2024-T3 ALUMINUM
Obliquity : 0 deg.
Backing Material : NA
Conditioning : DRY

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. : 5.0 in.

Range No. : 10
Temp. : 68 F
BP : 30.22 in. Hg
RH : 54%
Barrel No./Gun : 9mm R 10
Gunner : ALLINGHAM
Recorder : WOLFE

AMMUNITION

(1) : 9mm, FMJ, 124 gr.
(2) :
(3) :
(4) :

Lot No. : REMINGTON 23558
Lot No. :
Lot No. :
Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

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

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	2145	1399	2145	1399	1399	None	(a)
2	1	2145	1399	2150	1395	1397	None	(b)
3	1	2141	1401	2141	1401	1401	None	(c)
4	1	2114	1419	2114	1419	1419	None	(d)

REMARKS :

FOOTNOTES :

(a) SHOT IMPACTED FRONT OF HELMET.
(b) SHOT IMPACTED BACK OF HELMET.
(c)) SHOT IMPACTED RIGHT SIDE OF HELMET.
(d) SHOT IMPACTED LEFT SIDE OF HELMET.



BALLISTIC RESISTANCE TEST

Test Date : 4/21/14

TEST PANEL

Manufacturer : China Xinxing Import And Export Co., Ltd .
Size : UNKNOWN in.
Thicknesses : 0.322, 0.312, 0.306, 0.325 in.
Avg. Thick. : 0.316 in.
Description : RIGID WOVEN ARAMID FIBER IN MATRIX.
(HELMET) MODEL ZB-H

Sample No. : (9MM) - WET
Weight : 3.18 lbs.
Hardness : NA
Plies/Laminates : UNKNOWN

Date Rec'd. : 4/17/14
Via : DHL
Returned : N/A

SET-UP

Shot Spacing : PER NIJ-STD-0106.01
Witness Panel : 0.020", 2024-T3 ALUMINUM
Obliquity : 0 deg.
Backing Material : NA
Conditioning : WET

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. : 5.0 in.

Range No. : 10
Temp. : 68 F
BP : 30.22 in. Hg
RH : 54%
Barrel No./Gun : 9mm R 10
Gunner : ALLINGHAM
Recorder : WOLFE

AMMUNITION

(1) : 9mm, FMJ, 124 gr.
(2) :
(3) :
(4) :

Lot No. : REMINGTON 23558
Lot No. :
Lot No. :
Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

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

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	2105	1425	2105	1425	1425	None	(a)
2	1	2132	1407	2132	1407	1407	None	(b)
3	1	2087	1437	2087	1437	1437	None	(c)
4	1	2078	1444	2078	1444	1444	None	(d)



