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13 September 2011
(HPWLI 11703-03A)

Beijing V-great International Trade Co., Ltd.
Beijing Petrochemical New Material High Tech
Industry Base, Fangshan Dist
Beijing, China 102500

Attention: Jing Liu

In accordance with your instructions, H.P. White Laboratory, Inc. conducted Ballistic Resistance Testing of four (4) armor samples (see data records for sample description) received 29 August 2011 via DHL.

Testing was conducted in accordance with your instructions, and the modified provisions of NIJ-STD-0101.06, Level IIIA, using caliber .357 Sig., 125 grain, FMJ and caliber .44 Magnum, 240 grain, SJHP ammunition. The test samples were mounted on an indoor range 17.3 feet from the muzzle of a test barrel to produce zero, thirty, and forty-five degree obliquity impacts. Photoelectric infrared screens were positioned at 6.5 and 11.5 feet, which, in conjunction with dual elapsed time counters (chronographs), were used to compute projectile velocities 9.0 feet from the muzzle. Table I is a summary of the enclosed data records.

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 are being 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.

Very truly yours,

H. P. WHITE LABORATORY, INC

A handwritten signature in black ink that reads "Shawn Krout". The signature is written in a cursive style with a large initial 'S'.

Shawn Krout

SK/tc
Enclosures

Beijing V-great International Trade Co., Ltd.
 Attention: Jing Liu
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TABLE I. SUMMARY OF RESULTS

Test Sample			Ballistic Threat					Results	
Number	Weight (lbs)	Plies	Obliquity	Caliber	Shots	Velocity (fps) Max. Min.		Penetrations	Deformation (mm) (a)
BVG11001849001 (Front)	2.32	31	0	.44 Magnum	4	1465	1434	0	36/30
			30		1	1422		0	18
			45		1	1466		0	14
BVG11001849003 (Front)	2.31	31	0	.44 Magnum	4	1371	1320	0	40/26
			30		1	1347		0	15
			45		1	1349		0	12
BVG11001849005 (Front)	4.03	31	0	.357 Magnum	4	1496	1460	0	26/11
			30		1	1458		0	15
			45		1	1468		0	8
BVG11001849007 (Front)	4.03	31	0	.357 Magnum	4	1431	1412	0	22/11
			30		1	1419		0	13
			45		1	1421		0	8

(a) Deformation of 5.5 inch clay backing.



TEST PANEL

Manufacturer : BEIJING V-GREAT INTERNATIONAL

Sample No. : BVG11001849001 (44 MAG)

Size : S

Weight : 2.32 lbs.

Date Rec'd. : 08/29/11

Thicknesses : NA

Hardness : NA

Via : DHL

Avg. Thick. : NA

Plies/Laminates : 31

Returned : N/A

Description : SEE REMARKS FOR MAKE-UP AND STITCHING.

TEST ID: V1; SAMPLE#: BVG11001849001; LOT#: 87119; DESIGN A; (FRONT)

SET-UP

Shot Spacing : PER NIJ-STD-0101.06 LEVEL IIIA

Primary Vel. Screens : 6.5 ft., 11.5 ft.

Range No. : 1

Witness Panel : CLAY

Primary Vel. Location : 9.0 ft. From Muzzle

Temp. : 72 F

Obliquity : 0,30,& 45 deg.

Residual Vel. Screens : NA

BP : 29.91 in. Hg

Backing Material : 5.5" CLAY/PLYWOOD

Residual Vel. Location : NA

RH : 47%

Conditioning : SUBMERGED

Range to Target : 17.3 ft.

Barrel No./Gun : 44mag/R1

Target to Wit. : 0.0 in.

Gunner : J.CONTRERAS

Recorder : B.SHAFER

AMMUNITION

(1) : 44 MAG SJHP, 240 gr.

Lot No. : SPEER E12R

(2) :

Lot No. :

(3) :

Lot No. :

(4) :

Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

(1) : PER NIJ-STD-0101.06 LEVEL IIIA (MODIFIED)

(2) : PRE-TEST CLAY DROPS: 21mm, 20mm, 20mm, 19mm, 20mm

(3) : PRE-TEST CLAY TEMP: 99.1 F

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	3477	1438	3495	1431	1434	None	DEF. 31mm
2	1	3459	1446	3477	1438	1442	None	DEF. 36mm
3	1	3421	1462	3432	1457	1459	None	DEF. 30mm
4	1	3509	1425	3522	1420	1422	None	(a) DEF. 18mm
5	1	3405	1468	3418	1463	1466	None	(b) DEF. 14mm
6	1	3410	1466	3414	1465	1465	None	DEF. 36mm

REMARKS : MAKE-UP: LAYERS 1-28, FLEX ARAMID FILM. LAYERS 29 AND 30, 0.20" CLEAR PLASTIC. LAYER 31, 5mm WHITE FOAM. STITCHING: LAYERS 1-30, TACK AT SHOULDERS.	FOOTNOTES : (a) SHOT IMPACTED ON 30 DEGREE ANGLE. (b) SHOT IMPACTED ON 45 DEGREE ANGLE.
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TEST PANEL

Manufacturer : BEIJING V-GREAT INTERNATIONAL

Sample No. : BVG11001849003 (44 MAG)

Size : S

Weight : 2.31 lbs.

Date Rec'd. : 08/29/11

Thicknesses : NA

Hardness : NA

Via : DHL

Avg. Thick. : NA

Plies/Laminates : 31

Returned : N/A

Description : SEE REMARKS FOR MAKE-UP AND STITCHING.

TEST ID: V3; SAMPLE#: BVG11001849003; LOT#: 87119; DESIGN A; (FRONT)

SET-UP

Shot Spacing : PER NIJ-STD-0101.06 LEVEL IIIA

Primary Vel. Screens : 6.5 ft., 11.5 ft.

Range No. : 1

Witness Panel : CLAY

Primary Vel. Location : 9.0 ft. From Muzzle

Temp. : 70 F

Obliquity : 0,30,& 45 deg.

Residual Vel. Screens : NA

BP : 29.77 in. Hg

Backing Material : 5.5" CLAY/PLYWOOD

Residual Vel. Location : NA

RH : 56%

Conditioning : TUMBLED

Range to Target : 17.3 ft.

Barrel No./Gun : 44mag/R1

Target to Wit. : 0.0 in.

Gunner : M.GOMEZ

Recorder : P.PAYNE

AMMUNITION

(1) : 44 MAG SJHP, 240 gr.

Lot No. : SPEER E12R

(2) :

Lot No. :

(3) :

Lot No. :

(4) :

Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

(1) : PER NIJ-STD-0101.06 LEVEL IIIA (MODIFIED)

(2) : PRE-TEST CLAY DROPS: 21mm, 21mm, 20mm, 20mm, 20mm

(3) : PRE-TEST CLAY TEMP: 99.3 F

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	3746	1335	3764	1328	1332	None	DEF. 40mm
2	1	3727	1342	3745	1335	1338	None	DEF. 38mm
3	1	3779	1323	3797	1317	1320	None	DEF. 30mm
4	1	3702	1351	3720	1344	1347	None	(a) DEF. 15mm
5	1	3707	1349	3707	1349	1349	None	(b) DEF. 12mm
6	1	3648	1371	3648	1371	1371	None	DEF. 26mm

REMARKS : MAKE-UP: LAYERS 1-28, FLEX ARAMID FILM. LAYERS 29 AND 30, 0.20" CLEAR PLASTIC. LAYER 31, 5mm WHITE FOAM. STITCHING: LAYERS 1-30, TACK AT SHOULDERS.	FOOTNOTES : (a) SHOT IMPACTED ON 30 DEGREE ANGLE. (b) SHOT IMPACTED ON 45 DEGREE ANGLE.
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TEST PANEL

Manufacturer : BEIJING V-GREAT INTERNATIONAL

Sample No. : BVG11001849005 (357 SIG)

Size : L

Weight : 4.03 lbs.

Date Rec'd. : 08/29/11

Thicknesses : NA

Hardness : NA

Via : DHL

Avg. Thick. : NA

Plies/Laminates : 31

Returned : N/A

Description : SEE REMARKS FOR MAKE-UP AND STITCHING.

TEST ID: V5; SAMPLE#: BVG11001849005; LOT#: 87119; DESIGN A; (FRONT)

SET-UP

Shot Spacing : PER NIJ-STD-0101.06 LEVEL IIIA

Primary Vel. Screens : 6.5 ft., 11.5 ft.

Range No. : 1

Witness Panel : CLAY

Primary Vel. Location : 9.0 ft. From Muzzle

Temp. : 72 F

Obliquity : 0,30,& 45 deg.

Residual Vel. Screens : NA

BP : 29.91 in. Hg

Backing Material : 5.5" CLAY/PLYWOOD

Residual Vel. Location : NA

RH : 47%

Conditioning : SUBMERGED

Range to Target : 17.3 ft.

Barrel No./Gun : 357sig/R1

Target to Wit. : 0.0 in.

Gunner : M.GOMEZ

Recorder : P.PAYNE

AMMUNITION

(1) : 357 SIG, FMJ, 125 gr.

Lot No. : SPEER 4362

(2) :

Lot No. :

(3) :

Lot No. :

(4) :

Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

(1) : PER NIJ-STD-0101.06 LEVEL IIIA (MODIFIED)

(2) : PRE-TEST CLAY DROPS: 21mm, 20mm, 20mm, 19mm, 20mm

(3) : PRE-TEST CLAY TEMP: 99.1 F

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	3360	1488	3365	1486	1487	None	DEF. 26mm
2	1	3336	1499	3350	1493	1496	None	DEF. 23mm
3	1	3392	1474	3392	1474	1474	None	DEF. 24mm
4	1	3428	1459	3432	1457	1458	None	(a) DEF. 15mm
5	1	3406	1468	3406	1468	1468	None	(b) DEF. 8mm
6	1	3423	1461	3428	1459	1460	None	DEF. 11mm

REMARKS : MAKE-UP: LAYERS 1-28, FLEX ARAMID FILM. LAYERS 29 AND 30, 0.20" CLEAR PLASTIC. LAYER 31, 5mm WHITE FOAM. STITCHING: LAYERS 1-30, TACK AT SHOULDERS.	FOOTNOTES : (a) SHOT IMPACTED ON 30 DEGREE ANGLE. (b) SHOT IMPACTED ON 45 DEGREE ANGLE.
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TEST PANEL

Manufacturer : BEIJING V-GREAT INTERNATIONAL

Sample No. : BVG11001849007 (357 SIG)

Size : L

Weight : 4.03 lbs.

Date Rec'd. : 08/29/11

Thicknesses : NA

Hardness : NA

Via : DHL

Avg. Thick. : NA

Plies/Laminates : 31

Returned : N/A

Description : SEE REMARKS FOR MAKE-UP AND STITCHING.

TEST ID: V7; SAMPLE#: BVG11001849007; LOT#: 87119; DESIGN A; (FRONT)

SET-UP

Shot Spacing : PER NIJ-STD-0101.06 LEVEL IIIA

Primary Vel. Screens : 6.5 ft., 11.5 ft.

Range No. : 1

Witness Panel : CLAY

Primary Vel. Location : 9.0 ft. From Muzzle

Temp. : 70 F

Obliquity : 0,30,& 45 deg.

Residual Vel. Screens : NA

BP : 29.77 in. Hg

Backing Material : 5.5" CLAY/PLYWOOD

Residual Vel. Location : NA

RH : 56%

Conditioning : TUMBLED

Range to Target : 17.3 ft.

Barrel No./Gun : 357sig/R1

Target to Wit. : 0.0 in.

Gunner : M.GOMEZ

Recorder : P.PAYNE

AMMUNITION

(1) : 357 SIG, FMJ, 125 gr.

Lot No. : SPEER 4362

(2) :

Lot No. :

(3) :

Lot No. :

(4) :

Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

(1) : PER NIJ-STD-0101.06 LEVEL IIIA (MODIFIED)

(2) : PRE-TEST CLAY DROPS: 21mm, 21mm, 20mm, 20mm, 20mm

(3) : PRE-TEST CLAY TEMP: 99.3 F

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	3540	1412	3540	1412	1412	None	DEF. 21mm
2	1	3491	1432	3500	1429	1430	None	DEF. 20mm
3	1	3495	1431	3495	1431	1431	None	DEF. 22mm
4	1	3518	1421	3527	1418	1419	None	(a) DEF. 13mm
5	1	3518	1421	3518	1421	1421	None	(b) DEF. 8mm
6	1	3504	1427	3504	1427	1427	None	DEF. 11mm

REMARKS : MAKE-UP: LAYERS 1-28, FLEX ARAMID FILM. LAYERS 29 AND 30, 0.20" CLEAR PLASTIC. LAYER 31, 5mm WHITE FOAM. STITCHING: LAYERS 1-30, TACK AT SHOULDERS.	FOOTNOTES : (a) SHOT IMPACTED ON 30 DEGREE ANGLE. (b) SHOT IMPACTED ON 45 DEGREE ANGLE.
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