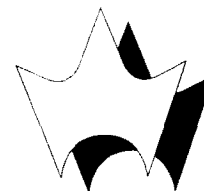


# H.P. WHITE LABORATORY, INC.

3114 Scarboro Road  
Street, Maryland 21154-1822  
Telephone: (410) 838-6550  
Facsimile: (410) 838-2802  
Email: info@hpwhite.com  
www.hpwhite.com



18 June 2010  
(HPWLI 11562-01D)  
(Revised 30 June 2010)

Tianjin Armor Textiles Co. Ltd.  
19 East of Dongmaquan  
Dongmaquan D, Wuqing Dist.  
Tianjin, China

Attention: Jason Cao

Gentlemen:

In accordance with your instructions, H.P. White Laboratory, Inc. conducted ballistic resistance testing of one proprietary armor test sample, identified as Model Number TAT-BP-2, received 1 June 2010 via Federal Express.

Testing was conducted in accordance with your instructions, and the abbreviated provisions of NIJ-STD-0101.04, BALLISTIC RESISTANCE OF PERSONAL BODY ARMOR, dated September 2000, Level IV, using caliber .30-06 Springfield, 166 grain, AP, M2 ammunition. The test sample was positioned on an indoor range 50.0 feet from the muzzle of a test barrel to produce zero degree obliquity impacts. Velocity screens were positioned at 39.5 and 44.5 feet which, in conjunction with elapsed time counters (chronographs), were used to compute projectile velocities 42.0 feet forward of the muzzle. Table I presents a summary of the enclosed data record.

TABLE I. SUMMARY OF RESULTS

Test Sample			Ballistic Threat				Results	
Number	Weight (lb)	Plies	Obliquity (degrees)	Caliber	Shots	Velocity (fps) Max. Min.	Pene- trations	Deform. (mm)(a)
TAT-BP-2	6.75	Na	0	.30 AP, M2	1	2881	0	39

(a) Deformation of 5.5 inch clay backing; maximum permissible deformation: 44mm.

This report is based on data obtained from having tested only the sample 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 Federal Express. 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.

Craig B. Dunn

CBD/tc  
Enclosure



# H.P. White Laboratory, Inc.

## BALLISTIC RESISTANCE TEST

Client : Tianjin Armorus Textiles Co. Ltd. (China)

Job No. : 11562-01

Test Date : 6/15/10

### TEST PANEL

Manufacturer : Tianjin Armorus Textiles Co. Ltd. (China)

Size : 10X12 in.

Thicknesses : NA

Avg. Thick. : NA

Description : PROPRIETARY

MODEL#: TAT-BP-2; TEST 8; TYPE: STA

Sample No. : TAT-BP-2

Weight : 6.75 lbs.

Hardness : NA

Plies/Laminates : NA

Date Rec'd. : 6/01/10

Via : Federal Express

Returned : Federal Express

### SET-UP

Shot Spacing : PER-NIJ-STD-0101.04 LEVEL IV

Witness Panel : CLAY

Obliquity : 0 deg.

Backing Material : 5.5" CLAY/PLYWOOD

Conditioning : WET

Primary Vel. Screens : 39.5 ft., 44.5 ft.

Primary Vel. Location : 42.0 ft. From Muzzle

Residual Vel. Screens : NA

Residual Vel. Location : NA

Range to Target : 50.0 ft.

Target to Wit. : 0.0 in.

Range No. : 9

Temp. : 70 F

BP : 29.88 in. Hg

RH : 56%

Barrel No./Gun : 9mm-R9

Gunner : T.HOPKINS

Recorder : P.PAYNE

### AMMUNITION

(1) : CAL. .30 AP, M2, 166 gr.

(2) :

(3) :

(4) :

Lot No. : LAKE CITY 13454

Lot No. :

Lot No. :

Lot No. :

### APPLICABLE STANDARDS OR PROCEDURES

(1) : PER-NIJ-STD-0101.04 LEVEL IV (ABBREVIATED)

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

(3) : PRE-TEST CLAY TEMP: 99.9 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	1735	2882	1736	2880	2881	None	DEF. 39mm

REMARKS :

FOOTNOTES :