

# H.P. WHITE LABORATORY, INC.

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4 May 2007  
(HPWLI 10460-03A)

Lam-Enterprise Company  
2-3-3 Horidome-cho #904  
Nihonbashi Chuo-Ku  
Tokyo, Japan 103-0012

Attention: Mr. Matsushima Takoshi

Gentlemen,

In accordance with your instructions, H.P. White Laboratory, Inc. conducted Ballistic Limit Protection (V50BL[P]) testing of one transparent armor sample received 3 May 2007 via United States Postal Service.

Testing was conducted in accordance with your instructions, and the provisions of MIL-STD-662F, using caliber 7.62x25, 85 grain, steel jacket, lead core ammunition. The test sample was mounted on an indoor range 15.0 feet from the muzzle of a test barrel to produce zero degree obliquity impacts. Photoelectric lumiline screens were positioned at 5.0 and 10.0 feet which, in conjunction with elapsed time counters (chronographs) were used to compute projectile velocities 7.5 feet from 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 sample. Table I presents a summary of the enclosed data record.

TABLE I SUMMARY OF RESULTS

Test Sample			Ballistic Threat		Ballistic Limit (fps)		
Number	Weight (lbs.)	Thickness (in) (a)	Caliber	Shot Total V50	V50 BL[P]	High Partial	Low Complete
HPW-1 (GBS-3A-T)	13.23	1.260	7.62x25mm S&LC	6/6	1669	1719	1669

(a) Average of four edge thicknesses

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 will be 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/te  
Enclosure