H.P. WHITE LABORATORY, INC.

Attention: Alpine Armoring, Inc.

In accordance with your Purchase Order Number 811659, H.P. White Laboratory, Inc. conducted Ballistic Resistance Testing of one (1) steel armor plate, identified as "Heat Lot 094302," received on 1 May 2014 via Federal Express.

Testing was conducted in accordance with your instructions, and the modified provisions of EN 1063, using caliber 7.62x39mm, 119 grain, BZ API ammunition. The test sample was rigidly mounted on an indoor range 32.8 feet from the muzzle of a test barrel to produce zero degree obliquity impacts. Photoelectric infrared screens were positioned at 23.5 and 26.5 feet which, in conjunction with dual elapsed time counters (chronographs), were used to compute projectile velocities 25.0 feet forward of the muzzle. Penetrations were determined by visual examination of a 0.020 inch thickness alloy 2024-T3 aluminum witness panel positioned 6.0 inches behind, and parallel to, the test sample. Table I presents a summary of the attached data record.

TABLE I. SUMMARY OF RESULTS

Test Sample			Ballistic Threat				Results
Number	Weight (lbs.)	Thickness (in.) (a)	Caliber	Shots (b)	Velocity (fps) Max.	Velocity (fps) Min.	Penetrations
094302	15.79	0.250	7.62, BZ	3	2248	2217	0

(a) Average of four corner thicknesses.
(b) Three impacts on a 120mm triangle.

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.

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