

# H.P. WHITE LABORATORY, INC.

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7 April 2015  
(HPWLI 000004119A)

MJ Safety Solutions, LLC  
70 Wilbur St. Ste 6  
Lowell, MA 01851

Attention: Joseph Curran

In accordance with your instructions, H.P. White Laboratory, Inc. conducted ballistic resistance testing of one (1) armor sample received 3 April 2015 via UPS.

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 FN ammunition. The test sample was positioned on an indoor range 17.4 feet from the muzzle of a test barrel to produce zero degree obliquity impacts. Photoelectric infrared screens were positioned at 6.5 and 11.5 feet which, in conjunction with elapsed time counters (chronographs), were used to compute projectile velocities 9.0 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	
Sample Number	Weight (lb)	Obliquity (degrees)	Caliber	Shots	Velocity(fps) Max. Min.	Penetrations	Deformation (mm) (a) Max / Min
BB-GAP-1	1.14	0	.357 SIG	4	1500 1473	0	39/35
		30		1	1483	0	Na
		45		1	1485	0	Na

(a) Deformation of 5.5 inch clay backing; maximum allowable 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 will be returned via UPS or equivalent. Should you have any questions regarding this matter, or if we may be of any further service, please do not hesitate to contact us.

Reported By

H.P. White Laboratory, Inc.

Tina Chaffman

Reviewed By

H.P. White Laboratory

Ashley Gowland



TEST PANEL

Manufacturer : MJ SAFETY SOLUTIONS
Size : 15.5x12 in.
Thicknesses : NA
Avg. Thick. : NA
Description : PROPRIETARY

Sample No. : BB-GAB-1(.357SIG)
Weight : 1.14 lbs.
Hardness : NA
Plies/Laminates : NA

Date Rec'd. : 4/3/15
Via : UPS
Returned : UPS

SET-UP

Shot Spacing : PER NIJ-STD-0101.06 LEVEL IIIA
Witness Panel : CLAY
Obliquity : 0 & 30,45 deg.
Backing Material : 5.5" CLAY/PLYWOOD
Conditioning : DRY

Primary Vel. Screens : 6.5 ft., 11.5 ft.
Primary Vel. Location : 9.0 ft. From Muzzle
Residual Vel. Screens : NA
Residual Vel. Location : NA
Range to Target : 17.4 ft.
Target to Wit. : 0.0 in.

Range No. : 1
Temp. : 77 F
BP : 30.12 in. Hg
RH : 43%
Barrel No./Gun : .357SIG/R1
Gunner : BONSTALL
Recorder : CHES

AMMUNITION

(1) : .357SIG FMJ FN, 125 gr.
(2) :
(3) :
(4) :

Lot No. : SPEER 4362
Lot No. :
Lot No. :
Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

- (1) : NIJ-STD-0101.06 LEVEL IIIA (MODIFIED)
(2) : PRE-TEST CLAY DROPS: 20mm, 19mm, 19mm, 18m, 19mm
(3) : PRE-TEST CLAY TEMP: 98.5 F

Table with 9 columns: Shot No., Ammo., Time 1 (usec), Velocity 1 (ft/s), Time 2 (usec), Velocity 2 (ft/s), Avg. Vel. (ft/s), Penetration, Footnotes. Contains 6 rows of test data.

REMARKS :
FOOTNOTES :
(a) IMPACTED ON A 30 DEGREE ANGLE.
(b) IMPACTED ON A 45 DEGREE ANGLE.