

H.P. WHITE LABORATORY, INC.

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26 November 2012
(HPWLI 12253-01)

Multiproducts Internacionales, S.A
12 Calle 1-25 Zona 10
Edificio Geminis 10 Local 221
Guatemala

Attention: Oscar Alvarez

In accordance with your instructions, H.P. White Laboratory, Inc. conducted Ballistic Penetration Testing of eight (8) proprietary panels (see data sheets for specific panel information) received on 13 October 2012 via DHL

Testing was conducted in accordance with your instructions and the abbreviated provisions of NIJ-STD-0101.06, Level IIIA using .44 Magnum, 240 grain, SJHP and .357 Sig, 125 grain, TMJ ammunition. The test panels were backed with clay backing and were rigidly fixtured to produce zero, thirty, and forty five-degree obliquity impacts at 17.3 feet. 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 forward of the muzzle. Table I provides a summary of the attached 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 will be returned via DHL. Should you have any questions regarding this matter, please do not hesitate to contact us.

Sincerely,

H.P. WHITE LABORATORY, INC.

A handwritten signature in black ink that reads "Shawn Krout". The signature is written in a cursive, flowing style.

Shawn Krout

SK/tc
Enclosures



H.P. White Laboratory, Inc.
BALLISTIC RESISTANCE TEST

Client : MULTIPRODUCTS INTERNACIONALES, S.A.

Job No. : 12253-01

Test Date : 11/14/12

TEST PANEL

Manufacturer : MULTIPRODUCTS INTERNACIONALES, S.A. Sample No. : HPW-2 (357SIG) (FRONT)
 Size : LARGE in. Weight : 3.61 lbs. Date Rec'd. : 10/13/12
 Thicknesses : NA Hardness : NA Via : DHL
 Avg. Thick. : NA Plies/Laminates : NA Returned : DHL
 Description : PROPRIETARY.
 LOT# 65; SAMPLE # 0008

SET-UP

Shot Spacing : PER-NIJ-STD-0101.06 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 : 29.67 in. Hg
 Backing Material : 5.5" CLAY/PLYWOOD Residual Vel. Location : NA RH : 33%
 Conditioning : SUBMERGED Range to Target : 17.3 ft. Barrel No./Gun : 357SIG R/1
 Target to Wit. : 0.0 in. Gunner : SHEAHY
 Recorder : ADAMS

AMMUNITION

(1) : 357SIG TMJ, 125 gr. Lot No. : SPEER D220
 (2) : Lot No. :
 (3) : Lot No. :
 (4) : Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

- (1) : PER-NIJ-STD-0101.06 LEVEL IIIA (ABBREVIATED)
- (2) : PRE-TEST CLAY DROPS: 19mm, 19mm, 18mm, 18mm
- (3) : PRE-TEST CLAY TEMP: 98.2 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	3392	1474	3392	1474	1474	None	DEF. 29mm
2	1	3365	1486	3369	1484	1485	None	DEF. 29mm
3	1	3410	1466	3414	1465	1465	None	DEF. 31mm
4	1	3392	1474	3392	1474	1474	None	(a)
5	1	3455	1447	3459	1446	1446	None	(b)
6	1	3405	1468	3410	1466	1467	None	

REMARKS :

R1B1

FOOTNOTES :

- (a) SHOT IMPACTED ON A 30 DEGREE ANGLE.
- (b) SHOT IMPACTED ON A 45 DEGREE ANGLE.