



December 22, 2015

Daw Tech, LLC
 1600 West 2200 South, Suite 201
 Salt Lake City, Utah 84119
 ATTN: Peter Spransy

Dear Mr. Spransy:

In accordance with your instructions, Oregon Ballistic Laboratories conducted Ballistic Resistance testing (V_0) on one sample.

The sample was tested in accordance with NIJ-STD-0108.01 Level IV (mod) in an indoor range with the muzzle of the test barrel mounted 50 feet from the target and positioned to produce 0-degree obliquity impacts. Four infrared velocity light screens, in conjunction with time-based frequency counters, were positioned such that projectile velocity was measured 8.25 feet from the target. Penetrations were determined by examination of a 0.020-inch 2024-T3 aluminum witness mounted 6 inches behind and parallel to the test sample. Results for all testing performed for this purpose are summarized in the following table.

Test Samples			Ballistic Threat				Results		
OBL#	Weight (lbs.)	Average Thickness (in)	Projectile	Level	Shots	Velocity (fps)		Penetrations	Pass/Fail
						Min.	Max.		
11431	18.21	1.125	.30 cal M2AP	IV	4	2807	2895	0	Pass
			M43 MSC	IV	1	2422			
			M855/SS109	IV	1	3135			

Samples will be maintained at Oregon Ballistic Laboratories for 30 days and then discarded unless other instructions are received. If you have any further questions or concerns, please contact us.

Sincerely,

Brandon Bertsch
 Oregon Ballistic Laboratories



This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.



OREGON BALLISTIC LABORATORIES

BALLISTIC RESISTANCE TEST - V₀

Customer: Daw Tech, LLC
OBL ID#: 11431
Test Date: 12/21/2015
Purchase Order:

TEST SAMPLE

Sample No.: N/A
Heat No.: N/A
Lot No.: N/A
Plies: N/A
Description: 12 x 12 sample with aluminum frame
Size (in.): 12 x 12
Weight (lb.): 18.21
Thickness: 1.141 1.108 1.124 1.125
Avg. Thk. (in): 1.125

RANGE SET-UP

Range to Target: 50 ft.
Screen Dist. Vel. 1 (ft.): 5
Screen Dist. Vel. 2 (ft.): 5
Screen 4 to target (ft): N/A
Primary Vel. Location: 8.25 ft. from target
Striking Velocity: No
Target to Witness: 6 in.
Witness Panel: 0.020" 2024-T3 Alum.
Backing Material: N/A
Obliquity: 0 Degrees
Range #: 2
Temperature: 70.2 °F
Bar. Pressure: 29.30 in. Hg
Rel. Humidity: 41.5 %
Sample Temp: Amb. °F
Recorder: Joe Simon
Gunner: Grant Zitek

AMMUNITION

Projectile (1): .30 cal. 160gr. M2 AP Powder: N133 Required Velocity: 2850 fps ± 50 fps
Projectile (2): 7.62x39mm M43 MSC PS Powder: IMR 4227 Required Velocity: 2400 fps ± 50 fps
Projectile (3): 5.56mm SS109/M855 Ball Powder: IMR 4227 Required Velocity: 3100 fps ± 50 fps

STANDARDS / PROCEDURES

NIJ-STD-0108.01 Level IV (mod)

Table with 12 columns: SHOT NO., Ammo, PROJECTILE WT. (gr.), POWDER WT. (gr.), TIME 1 μs (10^-6), TIME 2 μs (10^-6), VELOCITY 1 ft/s, VELOCITY 2 ft/s, AVERAGE VELOCITY, PENET. P/C, OBLIQUITY, NOTES. Contains 6 rows of test data.

REMARKS:

P=Partial Penetration
C=Complete Penetration
UH=Unfair Hit

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES: