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ISO/IEC 17025:2017 Accredited Laboratory

NVLAP Code: 200826-0

June 1st, 2023

Riot Glass 17941 Brookshire Lane Huntington Beach, CA 93647 ATTN: Brad Campbell

Dear Mr. Campbell:

In accordance with your instructions, Oregon Ballistic Laboratories conducted Ballistic Resistance testing (V₀) on one sample.

The sample was tested in accordance with UL 752 Level 3 (modified) – Spall Allowed in an indoor range with the muzzle of the test barrel mounted 16.5 feet from the target and positioned to produce 0-degree obliquity impacts. Four Oehler model 57 infrared velocity light screens, in conjunction with two HP 5315A time-based frequency counters, were placed such that projectile velocity was measured 8.25 feet from the target. Penetrations were determined by examination of a piece of 1/8" corrugated cardboard witness mounted 18 inches behind and parallel to the test sample. Results for all testing performed for this purpose are summarized in the following table.

Test Sample				Ballistic Threat				Results	
OBL No.:	Model No.:	Weight (lbs.)	Average Thickness (in.)	Projectile	Shots	Velocity (fps)		Penetrations	Pass/Fail
						Min.	Max.	renetiations	rass/raii
35331	RG2	11.53	1.031	.44 Mag SWCGC	3	1381	1409	0	<u>PASS</u>

^{*}Data shown in the table represents fair impacts only.

This report pertains only to the samples tested and may not be modified or edited in any way. This report may not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any federal government agency. Samples will be maintained at Oregon Ballistic Laboratories for 30 days and discarded unless other instructions are received. If you have any further questions or concerns, don't hesitate to contact us.

Darius Nuttbrock Ballistic Test Director Oregon Ballistic Laboratories 503.689.5134

Email: dnuttbrock@oregonbl.com



BALLISTIC RESISTANCE TEST - V₀

OBL ID#: 35331 Date Rcv'd: 4/27/2023 Test Date: 5/11/2023 Purchase Order:

TEST SAMPLE Model No.: RG2 Sample No.:

Lot No.:

Description **Ballistic Transparency** Size (in.): Weight (lb.): 12 x 12 11.53

Thickness: 1.031

Avg. Thk. (in): 1.031 1.031 1.032 1.030

RANGE SET-UP

Range to Target: Screen Dist. Vel. 1 (ft.): 16.5 ft. Screen Dist. Vel. 2 (ft.): Screen 4 to target (ft): Primary Vel. Location: 8.25 ft. from target

Striking Velocity: No Target to Witness: 18 in. Witness Panel: 1/8" Corr. Cardboard

Backing Material: N/A Obliquity: 0 Degrees Barrel: .44 Mag/1:20/8" **CLAY CALIBRATION NOT REQUIRED**

Drop Avg (mm): Clay Temp °F:

Clay Drops (mm): Drop Avg (mm): Clay Temp °F:

Clay Drops (mm):

Pre Test:

Post Test:

AMMUNITION

.44 Mag 240gr. SWCGC RCBS 82042 Montana Bullet Works

Range #:

Temperature:

Bar. Pressure:

Rel. Humidity:

Sample Temp.

Recorder:

Gunner:

Powder: Accurate No. 2

STANDARDS / PROCEDURES

Required Velocity:

1350 fps + 135 fps

UL 752 Level 3 (mod) - Spall Allowed

TIME 1 OBLIQUITY NOTES WT. (gr.) WT. (gr.) VELOCITY BFD NO. ft/s ft/s P/C μs (10⁻⁶) μs (10⁻⁶) 1 240.1 11.9 3551 2839 1408 1409 1409 Р 0° Spall Complete 240.6 12.0 3635 2889 1376 1385 1381 Spall Complete 241.4 12.0 3553 1407 1409 1408 2838 Spall Complete

71.9 °F

Amb. °F

29.81 in. Hg

Jerhemi Stone

Nathan Myers

REMARKS:

P=Partial Penetration C=Complete Penetration

Projectile Yaw Check: <5° for all velocity shots

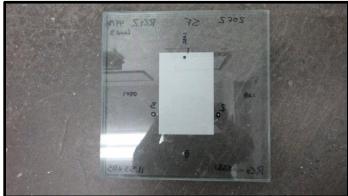
TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:







OBL #35331 - Post Test



