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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	Model No.:	Weight (lbs.)	Average Thickness (in.)	Projectile	Shots	Velocity (fps)		Penetrations	Pass/Fail	
No.:						Min.	Max.	renetiations	r ass/raii	
35336	RG3	13.76	1.219	.44 Mag SWCGC	3	1415	1418	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#: 35336 Date Rcv'd: 4/27/2023 Test Date: 5/11/2023 Purchase Order:

TEST SAMPLE Model No.: RG3 Sample No.: Lot No.: N/A

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

13.76

Thickness: 1.218 1.217

Avg. Thk. (in): 1.219 1.219

CLAY CALIBRATION NOT REQUIRED

RANGE SET-UP

Target to Witness:

Backing Material:

Witness Panel:

Obliquity:

Barrel:

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

No 18 in.

8.25 ft. from target 1/8" Corr. Cardboard N/A 0 Degrees

Range #: 71.9 °F Temperature: Bar. Pressure: 29.92 in. Hg 47.0 % Amb. °F Rel. Humidity: Sample Temp. Jerhemi Stone Recorder: Gunner: **Nathan Myers**

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

Clay Drops (mm):

Drop Avg (mm): Clay Temp °F:

Pre Test:

AMMUNITION

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

.44 Mag/1:20/8"

Powder: Accurate No. 2

STANDARDS / PROCEDURES UL 752 Level 3 (mod) - Spall Allowed

Required Velocity: 1350 fps + 135 fps

SHOT	PROJECTILE	POWDER	TIME 1	TIME 2	VELOCITY 1	VELOCITY 2	AVERAGE	PENET.	OBLIQUITY	CALIPER	NOTES
NO.	WT. (gr.)	WT. (gr.)	μs (10 ⁻⁶)	μs (10 ⁻⁶)	ft/s	ft/s	VELOCITY	P/C		BFD	NOTES
1	241.5	12.0	3524	2829	1419	1414	1417	P	0°		
2	240.1	12.0	3536	2826	1414	1415	1415	P	0°		Spall Complete
3	239.9	12.0	3520	2827	1420	1415	1418	P	0°		Spall Complete
REMARKS:								TEST RESULTS:			

P=Partial Penetration C=Complete Penetration

UH=Unfair Hit

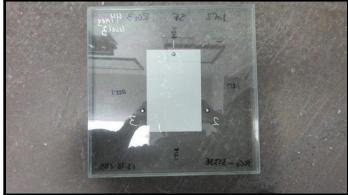
Projectile Yaw Check: <5° for all velocity shots

Test sample satisfied the ballistic requirements given.

FOOTNOTES:







OBL #35336 - Post Test



