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ISO/IEC 17025:2017 Accredited Laboratory
NVLAP Code: 200826-0

November 21, 2022

HighCom Armor, Inc.
2901 E 4th Ave, Unit J
Columbus, OH 43219 US
ATTN: Chad Wright

Dear Mr. Wright:

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

The sample was tested in accordance with NIJ-STD-0101.06 Level IV (abbreviated) (modified) 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 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 5.5-inch clay block mounted behind the test sample. Results for all testing performed for this purpose are summarized in the following table.

Model: 220919.01.NCB								
Test Sample			Ballistic Threat			Results		
OBL No.:	S/N:	Weight (lbs.)	Projectile	Shots	Velocity (fps)	Penetrations	BFD	Pass/Fail
33994	1	7.37	.30cal. M2 AP	1	2879	0	30.44	<u>PASS</u>
33995	2	7.37	.30cal. M2 AP	1	2902	0	29.08	<u>PASS</u>
33996	3	7.37	.30cal. M2 AP	1	2905	0	30.18	<u>PASS</u>
33997	4	7.40	.30cal. M2 AP	1	2883	0	24.78	<u>PASS</u>
33998	5	7.40	.30cal. M2 AP	1	2884	0	24.34	<u>PASS</u>
33999	9	7.35	.30cal. M2 AP	1	2891	0	26.56	<u>PASS</u>
34000	10	7.39	.30cal. M2 AP	1	2894	0	28.77	<u>PASS</u>
34001	11	7.39	.30cal. M2 AP	1	2899	0	28.55	<u>PASS</u>
34002	12	7.36	.30cal. M2 AP	1	2883	0	24.75	<u>PASS</u>
34003	13	7.32	.30cal. M2 AP	1	2902	0	27.08	<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

Customer: HighCom Armor
 OBL ID#: 33994
 Date Rcv'd: 11/1/2022
 Test Date: 11/17/2022
 Purchase Order: PO22-4937

TEST SAMPLE

Sample No.: 1
 Model No.: 220919.01.NCB
 Lot No.: N/A
 Plies: N/A
 Description: Level IV Hard Armor Plate

Size (in.): 10 x 12
 Weight (lb.): 7.37
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft.
 Screen Dist. Vel. 1 (ft.): 5
 Screen Dist. Vel. 2 (ft.): 4
 Screen 4 to target (ft): N/A
 Primary Vel. Location: 8.25 ft. from target
 Striking Velocity: No
 Target to Witness: N/A
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: .308/1:9/30"

Range #: 2
 Temperature: 67.9 °F
 Bar. Pressure: 30.24 in. Hg
 Rel. Humidity: 31.3 %
 Sample Temp. Amb. °F
 Recorder: Josh Humphreys
 Gunner: Jerhemi Stone

Pre Test:
 Clay Drops (mm): 18.85 19.35 19.34 18.26 16.91
 Drop Avg (mm): 18.54
 Clay Temp °F: 99.5
 Clay Box #: 1
 Post Test:
 Clay Drops (mm): 18.43 17.79 18.08 17.78 16.97
 Drop Avg (mm): 17.81
 Clay Temp °F: 92.8

AMMUNITION

Projectile: .30 cal. 160gr. M2 AP lot# LC 13575

Powder: VihtaVuori N130

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IV (abbrev) (mod)

Required Velocity: 2880 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μ s (10 ⁻⁶)	TIME 2 μ s (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	162.6	41.7	1738	1389	2877	2880	2879	P	0°	30.44	BR

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit
 Projectile Yaw Check: <5° for all velocity shots

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was subjected to Armor Drop Test.
 Sample was subjected to Armor Submersion.

BALLISTIC RESISTANCE TEST - V₀

Customer: HighCom Armor
 OBL ID#: 33995
 Date Rcv'd: 11/1/2022
 Test Date: 11/17/2022
 Purchase Order: PO22-4937

TEST SAMPLE

Sample No.: 2
 Model No.: 220919.01.NCB
 Lot No.: N/A
 Plies: N/A
 Description: Level IV Hard Armor Plate

Size (in.): 10 x 12
 Weight (lb.): 7.37
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft.
 Screen Dist. Vel. 1 (ft.): 5
 Screen Dist. Vel. 2 (ft.): 4
 Screen 4 to target (ft): N/A
 Primary Vel. Location: 8.25 ft. from target
 Striking Velocity: No
 Target to Witness: N/A
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: .308/1:9/30"

Range #: 2
 Temperature: 67.9 °F
 Bar. Pressure: 30.24 in. Hg
 Rel. Humidity: 31.3 %
 Sample Temp: Amb. °F
 Recorder: Josh Humphreys
 Gunner: Jerhemi Stone

Pre Test:
 Clay Drops (mm): 18.85 19.35 19.34 18.26 16.91
 Drop Avg (mm): 18.54
 Clay Temp °F: 99.5
 Clay Box #: 1
 Post Test:
 Clay Drops (mm): 18.43 17.79 18.08 17.78 16.97
 Drop Avg (mm): 17.81
 Clay Temp °F: 92.8

AMMUNITION

Projectile: .30 cal. 160gr. M2 AP lot# LC 13575

Powder: VihtaVuori N130

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IV (abbrev) (mod)

Required Velocity: 2880 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μ s (10 ⁻⁶)	TIME 2 μ s (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	162.4	41.7	1723	1379	2902	2901	2902	P	0°	29.08	ML

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit
 Projectile Yaw Check: <5° for all velocity shots

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was subjected to Armor Drop Test.
 Sample was subjected to Armor Submersion.

BALLISTIC RESISTANCE TEST - V₀

Customer: HighCom Armor
 OBL ID#: 33996
 Date Rcv'd: 11/1/2022
 Test Date: 11/17/2022
 Purchase Order: PO22-4937

TEST SAMPLE

Sample No.: 3
 Model No.: 220919.01.NCB
 Lot No.: N/A
 Plies: N/A
 Description: Level IV Hard Armor Plate

Size (in.): 10 x 12
 Weight (lb.): 7.37
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft.
 Screen Dist. Vel. 1 (ft.): 5
 Screen Dist. Vel. 2 (ft.): 4
 Screen 4 to target (ft): N/A
 Primary Vel. Location: 8.25 ft. from target
 Striking Velocity: No
 Target to Witness: N/A
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: .308/1:9/30"

Range #: 2
 Temperature: 67.9 °F
 Bar. Pressure: 30.24 in. Hg
 Rel. Humidity: 31.3 %
 Sample Temp. Amb. °F
 Recorder: Josh Humphreys
 Gunner: Jerhemi Stone

Pre Test:
 Clay Drops (mm): 18.85 19.35 19.34 18.26 16.91
 Drop Avg (mm): 18.54
 Clay Temp °F: 99.5
 Clay Box #: 1
 Post Test:
 Clay Drops (mm): 18.43 17.79 18.08 17.78 16.97
 Drop Avg (mm): 17.81
 Clay Temp °F: 92.8

AMMUNITION

Projectile: .30 cal. 160gr. M2 AP lot# LC 13575

Powder: VihtaVuori N130

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IV (abbrev) (mod)

Required Velocity: 2880 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μ s (10 ⁻⁶)	TIME 2 μ s (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	161.6	41.7	1721	1377	2905	2905	2905	P	0°	30.18	BL

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit
 Projectile Yaw Check: <5° for all velocity shots

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was subjected to Armor Drop Test.
 Sample was subjected to Armor Submersion.

BALLISTIC RESISTANCE TEST - V₀

Customer: HighCom Armor
 OBL ID#: 33997
 Date Rcv'd: 11/1/2022
 Test Date: 11/17/2022
 Purchase Order: PO22-4937

TEST SAMPLE

Sample No.: 4
 Model No.: 220919.01.NCB
 Lot No.: N/A
 Plies: N/A
 Description: Level IV Hard Armor Plate

Size (in.): 10 x 12
 Weight (lb.): 7.40
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft.
 Screen Dist. Vel. 1 (ft.): 5
 Screen Dist. Vel. 2 (ft.): 4
 Screen 4 to target (ft): N/A
 Primary Vel. Location: 8.25 ft. from target
 Striking Velocity: No
 Target to Witness: N/A
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: .308/1:9/30"

Range #: 2
 Temperature: 67.9 °F
 Bar. Pressure: 30.24 in. Hg
 Rel. Humidity: 31.3 %
 Sample Temp. Amb. °F
 Recorder: Josh Humphreys
 Gunner: Jerhemi Stone

Pre Test:
 Clay Drops (mm): 18.85 19.35 19.34 18.26 16.91
 Drop Avg (mm): 18.54
 Clay Temp °F: 99.5
 Clay Box #: 1
 Post Test:
 Clay Drops (mm): 18.43 17.79 18.08 17.78 16.97
 Drop Avg (mm): 17.81
 Clay Temp °F: 92.8

AMMUNITION

Projectile: .30 cal. 160gr. M2 AP lot# LC 13575

Powder: VihtaVuori N130

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IV (abbrev) (mod)

Required Velocity: 2880 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μ s (10 ⁻⁶)	TIME 2 μ s (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	163.4	41.7	1735	1387	2882	2884	2883	P	0°	24.78	Crown

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit
 Projectile Yaw Check: <5° for all velocity shots

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was subjected to Armor Drop Test.
 Sample was subjected to Armor Submersion.

BALLISTIC RESISTANCE TEST - V₀

Customer: HighCom Armor
 OBL ID#: 33998
 Date Rcv'd: 11/1/2022
 Test Date: 11/17/2022
 Purchase Order: PO22-4937

TEST SAMPLE

Sample No.: 5
 Model No.: 220919.01.NCB
 Lot No.: N/A
 Plies: N/A
 Description: Level IV Hard Armor Plate

Size (in.): 10 x 12
 Weight (lb.): 7.40
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft.
 Screen Dist. Vel. 1 (ft.): 5
 Screen Dist. Vel. 2 (ft.): 4
 Screen 4 to target (ft): N/A
 Primary Vel. Location: 8.25 ft. from target
 Striking Velocity: No
 Target to Witness: N/A
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: .308/1:9/30"

Range #: 2
 Temperature: 67.9 °F
 Bar. Pressure: 30.24 in. Hg
 Rel. Humidity: 31.3 %
 Sample Temp: Amb. °F
 Recorder: Josh Humphreys
 Gunner: Jerhemi Stone

Pre Test:
 Clay Drops (mm): 18.85 19.35 19.34 18.26 16.91
 Drop Avg (mm): 18.54
 Clay Temp °F: 99.5
 Clay Box #: 1
 Post Test:
 Clay Drops (mm): 18.43 17.79 18.08 17.78 16.97
 Drop Avg (mm): 17.81
 Clay Temp °F: 92.8

AMMUNITION

Projectile: .30 cal. 160gr. M2 AP lot# LC 13575

Powder: VihtaVuori N130

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IV (abbrev) (mod)

Required Velocity: 2880 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μ s (10 ⁻⁶)	TIME 2 μ s (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	163.8	41.7	1735	1386	2882	2886	2884	P	0°	24.34	BR

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit
 Projectile Yaw Check: <5° for all velocity shots

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was subjected to Armor Drop Test.
 Sample was subjected to Armor Submersion.

BALLISTIC RESISTANCE TEST - V₀

Customer: HighCom Armor
 OBL ID#: 33999
 Date Rcv'd: 11/1/2022
 Test Date: 11/17/2022
 Purchase Order: PO22-4937

TEST SAMPLE

Sample No.: 9
 Model No.: 220919.01.NCB
 Lot No.: N/A
 Plies: N/A
 Description: Level IV Hard Armor Plate

Size (in.): 10 x 12
 Weight (lb.): 7.35
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft.
 Screen Dist. Vel. 1 (ft.): 5
 Screen Dist. Vel. 2 (ft.): 4
 Screen 4 to target (ft): N/A
 Primary Vel. Location: 8.25 ft. from target
 Striking Velocity: No
 Target to Witness: N/A
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: .308/1:9/30"

Range #: 2
 Temperature: 67.9 °F
 Bar. Pressure: 30.24 in. Hg
 Rel. Humidity: 31.3 %
 Sample Temp. Amb. °F
 Recorder: Josh Humphreys
 Gunner: Jerhemi Stone

Pre Test:
 Clay Drops (mm): 18.85 19.35 19.34 18.26 16.91
 Drop Avg (mm): 18.54
 Clay Temp °F: 99.5
 Clay Box #: 1
 Post Test:
 Clay Drops (mm): 18.43 17.79 18.08 17.78 16.97
 Drop Avg (mm): 17.81
 Clay Temp °F: 92.8

AMMUNITION

Projectile: .30 cal. 160gr. M2 AP lot# LC 13575

Powder: VihtaVuori N130

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IV (abbrev) (mod)

Required Velocity: 2880 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μ s (10 ⁻⁶)	TIME 2 μ s (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	162.9	41.7	1730	1383	2890	2892	2891	P	0°	26.56	Crown

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit
 Projectile Yaw Check: <5° for all velocity shots

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was subjected to Armor Drop Test.
 Sample was subjected to Armor Submersion.

BALLISTIC RESISTANCE TEST - V₀

Customer: HighCom Armor
 OBL ID#: 34000
 Date Rcv'd: 11/1/2022
 Test Date: 11/17/2022
 Purchase Order: PO22-4937

TEST SAMPLE

Sample No.: 10
 Model No.: 220919.01.NCB
 Lot No.: N/A
 Plies: N/A
 Description: Level IV Hard Armor Plate

Size (in.): 10 x 12
 Weight (lb.): 7.39
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft.
 Screen Dist. Vel. 1 (ft.): 5
 Screen Dist. Vel. 2 (ft.): 4
 Screen 4 to target (ft): N/A
 Primary Vel. Location: 8.25 ft. from target
 Striking Velocity: No
 Target to Witness: N/A
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: .308/1:9/30"

Range #: 2
 Temperature: 67.9 °F
 Bar. Pressure: 30.24 in. Hg
 Rel. Humidity: 31.3 %
 Sample Temp: Amb. °F
 Recorder: Josh Humphreys
 Gunner: Jerhemi Stone

Pre Test:
 Clay Drops (mm): 18.85 19.35 19.34 18.26 16.91
 Drop Avg (mm): 18.54
 Clay Temp °F: 99.5
 Clay Box #: 1
 Post Test:
 Clay Drops (mm): 18.43 17.79 18.08 17.78 16.97
 Drop Avg (mm): 17.81
 Clay Temp °F: 92.8

AMMUNITION

Projectile: .30 cal. 160gr. M2 AP lot# LC 13575

Powder: VihtaVuori N130

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IV (abbrev) (mod)

Required Velocity: 2880 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μ s (10 ⁻⁶)	TIME 2 μ s (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	163.2	41.7	1729	1381	2892	2896	2894	P	0°	28.77	BM

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit
 Projectile Yaw Check: <5° for all velocity shots

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was subjected to Armor Drop Test.
 Sample was subjected to Armor Submersion.

BALLISTIC RESISTANCE TEST - V₀

Customer: HighCom Armor
 OBL ID#: 34001
 Date Rcv'd: 11/1/2022
 Test Date: 11/17/2022
 Purchase Order: PO22-4937

TEST SAMPLE

Sample No.: 11
 Model No.: 220919.01.NCB
 Lot No.: N/A
 Plies: N/A
 Description: Level IV Hard Armor Plate

Size (in.): 10 x 12
 Weight (lb.): 7.39
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft.
 Screen Dist. Vel. 1 (ft.): 5
 Screen Dist. Vel. 2 (ft.): 4
 Screen 4 to target (ft): N/A
 Primary Vel. Location: 8.25 ft. from target
 Striking Velocity: No
 Target to Witness: N/A
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: .308/1:9/30"

Range #: 2
 Temperature: 67.9 °F
 Bar. Pressure: 30.24 in. Hg
 Rel. Humidity: 31.3 %
 Sample Temp: Amb. °F
 Recorder: Josh Humphreys
 Gunner: Jerhemi Stone

Pre Test:
 Clay Drops (mm): 18.85 19.35 19.34 18.26 16.91
 Drop Avg (mm): 18.54
 Clay Temp °F: 99.5
 Clay Box #: 1
 Post Test:
 Clay Drops (mm): 18.43 17.79 18.08 17.78 16.97
 Drop Avg (mm): 17.81
 Clay Temp °F: 92.8

AMMUNITION

Projectile: .30 cal. 160gr. M2 AP lot# LC 13575

Powder: VihtaVuori N130

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IV (abbrev) (mod)

Required Velocity: 2880 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μ s (10 ⁻⁶)	TIME 2 μ s (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	162.8	41.7	1726	1379	2897	2901	2899	P	0°	28.55	BR

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit
 Projectile Yaw Check: <5° for all velocity shots

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was subjected to Armor Drop Test.
 Sample was subjected to Armor Submersion.

BALLISTIC RESISTANCE TEST - V₀

Customer: HighCom Armor
 OBL ID#: 34002
 Date Rcv'd: 11/1/2022
 Test Date: 11/17/2022
 Purchase Order: PO22-4937

TEST SAMPLE

Sample No.: 12
 Model No.: 220919.01.NCB
 Lot No.: N/A
 Plies: N/A
 Description: Level IV Hard Armor Plate

Size (in.): 10 x 12
 Weight (lb.): 7.36
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft.
 Screen Dist. Vel. 1 (ft.): 5
 Screen Dist. Vel. 2 (ft.): 4
 Screen 4 to target (ft): N/A
 Primary Vel. Location: 8.25 ft. from target
 Striking Velocity: No
 Target to Witness: N/A
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: .308/1:9/30"

Range #: 2
 Temperature: 67.9 °F
 Bar. Pressure: 30.24 in. Hg
 Rel. Humidity: 31.3 %
 Sample Temp: Amb. °F
 Recorder: Josh Humphreys
 Gunner: Jerhemi Stone

Pre Test:
 Clay Drops (mm): 18.85 19.35 19.34 18.26 16.91
 Drop Avg (mm): 18.54
 Clay Temp °F: 99.5
 Clay Box #: 1
 Post Test:
 Clay Drops (mm): 18.43 17.79 18.08 17.78 16.97
 Drop Avg (mm): 17.81
 Clay Temp °F: 92.8

AMMUNITION

Projectile: .30 cal. 160gr. M2 AP lot# LC 13575

Powder: VihtaVuori N130

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IV (abbrev) (mod)

Required Velocity: 2880 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μ s (10 ⁻⁶)	TIME 2 μ s (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	166.0	41.7	1732	1390	2887	2878	2883	P	0°	24.75	BL

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit
 Projectile Yaw Check: <5° for all velocity shots

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was subjected to Armor Drop Test.
 Sample was subjected to Armor Submersion.

BALLISTIC RESISTANCE TEST - V₀

Customer: HighCom Armor
 OBL ID#: 34003
 Date Rcv'd: 11/1/2022
 Test Date: 11/17/2022
 Purchase Order: PO22-4937

TEST SAMPLE

Sample No.: 13
 Model No.: 220919.01.NCB
 Lot No.: N/A
 Plies: N/A
 Description: Level IV Hard Armor Plate

Size (in.): 10 x 12
 Weight (lb.): 7.32
 Thickness:
 Avg. Thk. (in):

RANGE SET-UP

Range to Target: 50 ft.
 Screen Dist. Vel. 1 (ft.): 5
 Screen Dist. Vel. 2 (ft.): 4
 Screen 4 to target (ft): N/A
 Primary Vel. Location: 8.25 ft. from target
 Striking Velocity: No
 Target to Witness: N/A
 Witness Panel: N/A
 Backing Material: 5.5" clay block w/ 3/4" plywood backing
 Obliquity: 0 Degrees
 Barrel: .308/1:9/30"

Range #: 2
 Temperature: 67.9 °F
 Bar. Pressure: 30.24 in. Hg
 Rel. Humidity: 31.3 %
 Sample Temp: Amb. °F
 Recorder: Josh Humphreys
 Gunner: Jerhemi Stone

Pre Test:
 Clay Drops (mm): 18.85 19.35 19.34 18.26 16.91
 Drop Avg (mm): 18.54
 Clay Temp °F: 99.5
 Clay Box #: 1
 Post Test:
 Clay Drops (mm): 18.43 17.79 18.08 17.78 16.97
 Drop Avg (mm): 17.81
 Clay Temp °F: 92.8

AMMUNITION

Projectile: .30 cal. 160gr. M2 AP lot# LC 13575

Powder: VihtaVuori N130

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IV (abbrev) (mod)

Required Velocity: 2880 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μ s (10 ⁻⁶)	TIME 2 μ s (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	162.9	41.7	1721	1380	2905	2899	2902	P	0°	27.08	TL

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit
 Projectile Yaw Check: <5° for all velocity shots

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

Sample was subjected to Armor Drop Test.
 Sample was subjected to Armor Submersion.