



OREGON BALLISTIC LABORATORIES

BALLISTIC RESISTANCE TEST - V₀

Customer: UARM
OBL ID#: 29374
Date Rcv'd: 6/8/2021
Test Date: 6/23/2021
Purchase Order:

TEST SAMPLE
Sample No.: SA4B
Model No.: N/A
Lot No.: N/A
Plies: N/A
Description: Level IV Hard Armor Plate
Size: 10 x 12
Weight (lb.): 5.74
Thickness:
Avg. Thk. (in):

RANGE SET-UP
Range to Target: 25 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: .308/1:12/30"
Range #: 2
Temperature: 73.0 °F
Bar. Pressure: 29.94 in. Hg
Rel. Humidity: 55.9 %
Sample Temp. Amb. °F
Recorder: Aubrey Rogers
Gunner: Robert Ness
Pre Test: Clay Drops (mm): 20.11 20.54 20.80 19.72 20.06
Drop Avg (mm): 20.25
Clay Temp °F: 95.7
Clay Box #: 11
Post Test: Clay Drops (mm): 18.08 18.48 18.00 19.11 20.30
Drop Avg (mm): 18.79
Clay Temp °F: 95.9

AMMUNITION
Projectile: .30 cal. 160gr. M2 AP lot# LC 13575
Powder: VihtaVuori N133

STANDARDS / PROCEDURES
NIJ-STD-0101.06 Level IV (abbrev) (mod)
Required Velocity: 2880 fps ± 30 fps

Table with columns: SHOT NO., 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, CALIPER BFD, NOTES

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

TEST RESULTS:
FOOTNOTES:
Sample was not subjected to Armor Drop Test.
Sample was not subjected to Armor Submersion.

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