

V₅₀ Ballistic Test Report

The Client: HAGOR
Description: HPPE HELMET SHELL

Date: 13/03/2013
Report No.: 130114

Shell Weight (kg): 0.855 Sell Model: PASGT

Sample thick. (mm): 7.6 Size: Large

Dry sample (**X**) \ Wet sample ()

Remarks:
MIL-STD-662-F

Projectile/Round:
(*) Type: Projectile
(*) Origin: USA
(*) Weight (grain): 17

Lab. Set-up
(*) Range to Target (m): 5
(*) Temperature (°C): 20
(*) Rel. Humidity (%): 44

Results

<u>Measured Velocity</u>				<u>Corrected striking velocity</u>			
Shot No.			Comp. /Part. (C/P)	<u>Incl. partials</u>		<u>Incl. completes</u>	
	(ft/sec)	(m/sec)		(ft/sec)	(m/sec)	(ft/sec)	(m/sec)
1	2491	759.3	C			2410	734.7
2	2453	747.7	P	2374	723.4		
3	2487	758.0	C			2406	733.5
4	2449	746.5	P	2370	722.3		
5	2470	752.9	P	2390	728.5		
6	2496	760.8	C			2415	736.1
7	2437	742.8	P	2358	718.7		
8	2482	756.5	C			2402	732.0

Note: Results marked with "***" are excluded from the V₅₀ calculation.

Summary of results

	(ft/sec)	(m/sec)		(ft/sec)	(m/sec)
Measured V ₅₀ :	2471	753.0	High Partial:	2390	728.5
Deduction:	80	24.4	Low Complete:	2402	732.0
V50 requirements:		0.0	Range of Results:	57	17.4
			Range of Mixed Results:	-12	-3.5

V₅₀ (after deduction): **2391** **728.6**

Remarks:

The tested sample complies (**X**) \ doesn't comply () to the requirements.

Inspector: Yaniv Montakyo
VP R&D
Head of Ballistic Laboratory

Gunner: Michael