



9 December 2020

JTIC
700 N. Frederick Ave
Bldg. 181 Rm 1L30
Gaithersburg, MD 20879

Attention: Mr. Tate Groghan, Equipment Testing Technician

Subject: Compliance Test Report for ARMOR LIFE LABS S.A DE C.V, Body Armor Model ALLIGHT H, Test ID MC03374, tested in accordance with *Ballistic Resistance of Body Armor, NIJ Standard-0101.06* by NTS – Chesapeake Testing on 10 November through 3 December 2020

Dear Mr. Groghan:

On 10 November through 3 December 2020, NTS – Chesapeake Testing tested ARMOR LIFE LABS S.A DE C.V, Body Armor Model ALLIGHT H. The tests were conducted in accordance with the requirements outlined in the *Ballistic Resistance of Body Armor, NIJ Standard-0101.06*, dated July 2008. The test was witnessed by Mr. Pete Krummel on behalf of Amor Life Labs. The Compliance Test Report (CTR) No. 3659-046 and appropriate photographs to support the conclusions of the test are enclosed.

NTS – Chesapeake Testing is not empowered to issue or deny the compliance status of Body Armor Model ALLIGHT H; however, the attached CTR No. 3659-046 indicates that the threat level IIIA requirements of the referenced NIJ standard were satisfied.

If you have any questions related to this testing, please call Mr. Craig Thomas at (410) 297-8154 or contact him via e-mail at craig.thomas@nts.com.

Sincerely,

A handwritten signature in black ink that reads "Sandi Zeisloft". The script is cursive and fluid.

Sandi Zeisloft
Tech Writing Manager, NTS – Chesapeake Testing
Enc. a/s

The information contained in this report may be subject to the provisions of the Export Administration Act (50 USC 2401 et seq.), the Export Administration Regulations (15 CFR 768-799), or the U.S. Arms Export Control Act (22 USC 2778 et seq.) and the International Traffic in Arms Regulations (22 CFR 120-130). These statutes and regulations impose restrictions on import, export and transfer to foreign entities and persons, whether within the U.S. or abroad, of certain data and articles without approved licenses from the U.S. Department of State and/or the U.S. Department of Commerce.

NIJ BA CTP Compliance Test Report

Report Identification Number: 3659-046

Issue/Revision Number:

Report Date: 12/9/2020

200820-0

NVLAP Lab Code

Test Laboratory Name: NTS-Chesapeake Testing

Address: 4603B Compass Point Rd

Belcamp MD, 21017

Customer: Armor Life Lab SA de CV

Address: Lago Ginebra 380 Piso 2

Col. Francisco I Madero

11480 MX

Conditioning Laboratory Name: NTS-Chesapeake Testing

Address: 4603B Compass Point Rd

Belcamp MD, 21017

Prospective Model Designation: ALLIGHT H

This test report and the results herein are to be used solely for the purpose of determining compliance to the NIJ 0101.06 Body Armor Standard. The test data should not be used to compare the relative performance characteristics between different models of body armor.

Reproduction of this test report is prohibited except in full.

This test report may not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the Federal Government.

Test results relate only to the items tested.

Authorized Signatory: Sandi Zeisloft

Function/Position: Range Operations Manager

Signature:

Sandi Zeisloft

Date:

9 December 2020

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

NVLAP Lab Code: 200820-0Test Laboratory Name: NTS-Chesapeake TestingReport Identification Number: 3659-046

Issue / Revision Number: _____

COMPLIANCE TESTING INFORMATIONTest Start Date: 11/10/20
End Date: 12/3/2020Report Date: 12/09/20Observers: Pete Krummel**RANGE INFORMATION:**Range Length: 17.2 ft.Velocity 1: 5 ft.1.524 mVelocity Measurement Units: timeVelocity 2: 4.333 ft.1.320698 m

Chronographs will report the time of flight.

ARMOR DESCRIPTION:Manufacturer: Armor Life Lab SA de CVDate Rec'd: 11/02/20Test ID: MC03374NIJ Armor Type: 3AStyle: MaleData should be entered in μ s (10^{-6} s).**SHOT-TO-EDGE REQUIREMENTS:**Threat 1: 2 InchesThreat 2: 3 Inches

Labels legible and adhered after wear tests?

Yes (Yes/No)

Labels legible and adhered after conditioning protocol:

Yes (Yes/No)**Labels meet the requirements of 4.1.5.3****ARMOR CONSTRUCTION:****Panel A** Information shall represent the front panel in two-panels designs, and all panels in single-panel designs.**Panel B** Information shall represent the back panel in two-panels designs. Completion not necessary for single-panel designs.Front Closure (Y/N): YesSingle Panel Design (Y/N): YesArmor Test Configuration: Planar

Armor Test Configuration: _____

Number of Layers: 29

Number of Layers: _____

Individual Layer Description:

Layers 1-8: Unidirectional aramid film
Layers 9-29: Polyethylene film.

Description of Stitching:

Layers 1-8,9-19,20-29: 1 inch Perimeter stitch.
Layers 1-29: 3 inch vertical bar tack at center of sample.Remarks and
Revision History:

Strapping: Two vertical and three horizontal

**NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT**

Use this space to enter any necessary supplemental information

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

NVLAP Lab Code: 200820-0																		Test Laboratory Name: NTS-Chesapeake Testing																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Sample 1		Sample 2		Sample 3		Sample 4		Sample 5		Sample 6		Sample 7		Sample 8		Sample 9		Sample 10		Sample 11		Sample 12		Sample 13		Sample 14		Sample 15		Sample 16		Sample 17		Sample 18		Sample 19		Sample 20																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Gross Weight (lb.):	1.47	1.49	1.47	1.46	3.98	4.12	4.01	4.1	1.46	1.46	1.47	1.46	3.98	4.1	3.89	4.12	3.96	4.15	3.98	4.15																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Threat Ammunition:	.357 SIG	.357 SIG	.357 SIG	.357 SIG	.357 SIG	.357 SIG	.357 SIG	.357 SIG	.357 SIG	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag	.44 Mag																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Bullet (grain/type):	125/FMJ	125/FMJ	125/FMJ	125/FMJ	125/FMJ	125/FMJ	125/FMJ	125/FMJ	125/FMJ	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP	240/SJHP																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Test Velocity (ft/s):	1470	1470	1470	1470	1470	1470	1470	1470	1470	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Bullet Manufacturer:	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer	Speer																																																																																																																																																																																																																																																																																																																																																																																																																																																
Bullet Lot/Product Number:	A27R	A27R	A27R	A27R	A27R	A27R	A27R	A27R	A27R	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X	B02X																																																																																																																																																																																																																																																																																																																																																																																																																																															
Test Barrel Manufacturer:	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman	Wiseman																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Sample 11		Sample 12		Sample 13		Sample 14		Sample 15		Sample 16		Sample 17		Sample 18		Sample 19		Sample 20		Sample 21		Sample 22		Sample 23		Sample 24		Sample 25		Sample 26		Sample 27		Sample 28		Sample 29		Sample 30		Sample 31		Sample 32		Sample 33		Sample 34		Sample 35		Sample 36		Sample 37		Sample 38		Sample 39		Sample 40		Sample 41		Sample 42		Sample 43		Sample 44		Sample 45		Sample 46		Sample 47		Sample 48		Sample 49		Sample 50		Sample 51		Sample 52		Sample 53		Sample 54		Sample 55		Sample 56		Sample 57		Sample 58		Sample 59		Sample 60		Sample 61		Sample 62		Sample 63		Sample 64		Sample 65		Sample 66		Sample 67		Sample 68		Sample 69		Sample 70		Sample 71		Sample 72		Sample 73		Sample 74		Sample 75		Sample 76		Sample 77		Sample 78		Sample 79		Sample 80		Sample 81		Sample 82		Sample 83		Sample 84		Sample 85		Sample 86		Sample 87		Sample 88		Sample 89		Sample 90		Sample 91		Sample 92		Sample 93		Sample 94		Sample 95		Sample 96		Sample 97		Sample 98		Sample 99		Sample 100		Sample 101		Sample 102		Sample 103		Sample 104		Sample 105		Sample 106		Sample 107		Sample 108		Sample 109		Sample 110		Sample 111		Sample 112		Sample 113		Sample 114		Sample 115		Sample 116		Sample 117		Sample 118		Sample 119		Sample 120		Sample 121		Sample 122		Sample 123		Sample 124		Sample 125		Sample 126		Sample 127		Sample 128		Sample 129		Sample 130		Sample 131		Sample 132		Sample 133		Sample 134		Sample 135		Sample 136		Sample 137		Sample 138		Sample 139		Sample 140		Sample 141		Sample 142		Sample 143		Sample 144		Sample 145		Sample 146		Sample 147		Sample 148		Sample 149		Sample 150		Sample 151		Sample 152		Sample 153		Sample 154		Sample 155		Sample 156		Sample 157		Sample 158		Sample 159		Sample 160		Sample 161		Sample 162		Sample 163		Sample 164		Sample 165		Sample 166		Sample 167		Sample 168		Sample 169		Sample 170		Sample 171		Sample 172		Sample 173		Sample 174		Sample 175		Sample 176		Sample 177		Sample 178		Sample 179		Sample 180		Sample 181		Sample 182		Sample 183		Sample 184		Sample 185		Sample 186		Sample 187		Sample 188		Sample 189		Sample 190		Sample 191		Sample 192		Sample 193		Sample 194		Sample 195		Sample 196		Sample 197		Sample 198		Sample 199		Sample 200		Sample 201		Sample 202		Sample 203		Sample 204		Sample 205		Sample 206		Sample 207		Sample 208		Sample 209		Sample 210		Sample 211		Sample 212		Sample 213		Sample 214		Sample 215		Sample 216		Sample 217		Sample 218		Sample 219		Sample 220		Sample 221		Sample 222		Sample 223		Sample 224		Sample 225		Sample 226		Sample 227		Sample 228		Sample 229		Sample 230		Sample 231		Sample 232		Sample 233		Sample 234		Sample 235		Sample 236		Sample 237		Sample 238		Sample 239		Sample 240		Sample 241		Sample 242		Sample 243		Sample 244		Sample 245		Sample 246		Sample 247		Sample 248		Sample 249		Sample 250 </	

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

NVLAP Lab Code: 200820-0

Test Laboratory Name: NTS-Chesapeake Testing

Report Identification Number: 3659-046

Issue / Revision Number:

Penetration and BFS Summary Data

Test ID: MC03374
 Manufacturer: Armor Life Lab SA de CV

Report Date: 12/09/20
 NIJ Armor Type: 3A

Ammunition: .357 SIG 125/FMJ

Threat 1 - New Armor
 Test Velocity: 1470 ± 30 ft/s

Conditioning: New

Shot Number	Sample 1 Size: C-1				Sample 2 Size: C-1			
	Panel A		Panel B		Panel A		Panel B	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1470	0	35.2		1485	0	30.2	
2	1503	0	28.9		1487	0	28.5	
3	1478	0	30.3		1505	0	26.7	
4	1491	0			1487	0		
5	1490	0			1500	0		
6	1459	0			1477	0		
7								
8								
Summary:				Perforations: 0 (Pass) Maximum BFS: 35.2 mm Pass - No BFS greater than 44 mm	BFS Statistics: Count: 12 Average: 28.7 mm St. Dev: 2.4768 mm			

Shot Number	Sample 3 Size: C-5				Sample 4 Size: C-5			
	Panel A		Panel B		Panel A		Panel B	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1451	0	26.3		1482	0	26.9	
2	1481	0	19.7		1460	0	17.5	
3	1480	0	23.9		1463	0	19.9	
4	1477	0			1447	0		
5	1465	0			1441	0		
6	1493	0			1469	0		
7								
8								
Summary:				Perforations: 0 (Pass) Maximum BFS: 27 mm Pass - No BFS greater than 44 mm	BFS Statistics: Count: 12 Average: 22.01 mm St. Dev: 3.818 mm			

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ammunition: .44 Mag 240/SJHP

Threat 2 - New Armor

Test Velocity: 1430 ± 30 ft/s

Conditioning: New

Shot Number	Sample 5 Size: C-1				Sample 6 Size: C-1			
	Panel A		Panel B		Panel A		Panel B	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1450	0	35.3		1448	0	37.5	
2	1416	0	39.6		1439	0	41.1	
3	1428	0	40.9		1462	0	42.5	
4	1448	0			1442	0		
5	1442	0			1437	0		
6	1441	0			1436	0		
7								
8								
Summary: Perforations: 0 (Pass) BFS Statistics: Count: 12 Average: 39.9 mm Maximum BFS: 43.1 mm St. Dev: 2.4402 mm Pass - No BFS greater than 44 mm								

Shot Number	Sample 7 Size: C-5				Sample 8 Size: C-5			
	Panel A		Panel B		Panel A		Panel B	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1447	0	34.8		1457	0	35.6	
2	1437	0	33.4		1446	0	33.9	
3	1438	0	31.8		1448	0	29.6	
4	1438	0			1450	0		
5	1437	0			1434	0		
6	1430	0			1448	0		
7								
8								
Summary: Perforations: 0 (Pass) BFS Statistics: Count: 12 Average: 32.27 mm Maximum BFS: 35.6 mm St. Dev: 2.6297 mm (Pass - No BFS greater than 44 mm)								

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ammunition: .357 SIG 125/FMJ **Threat 1 - Conditioned Armor**
Test Velocity: 1410 ± 30 ft/s **Conditioning:** Conditioned

Shot Number	Sample 21 Size: C-1				Sample 22 Size: C-5			
	Panel A		Panel B		Panel A		Panel B	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1421	0	26.2		1412	0	23	
2	1422	0	24.9		1413	0	23.9	
3	1421	0	25.5		1416	0	20.8	
4	1424	0			1427	0		
5	1427	0			1436	0		
6	1433	0			1435	0		
7								
8								
Summary:				Perforations: 0 (Pass) Maximum BFS: 29.3 mm (no requirement)	Perforations: 0 (Pass) Maximum BFS: 23.9 mm (no requirement)			

Ammunition: .44 Mag 240/SJHP **Threat 2 - Conditioned Armor**
Test Velocity: 1340 ± 30 ft/s **Conditioning:** Conditioned

Shot Number	Sample 23 Size: C-1				Sample 24 Size: C-5			
	Panel A		Panel B		Panel A		Panel B	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	BFS (mm)	Note
1	1324	0	33.4		1322	0	31.6	
2	1327	0	35.2		1323	0	30.7	
3	1324	0	35.6		1336	0	31.8	
4	1334	0			1328	0		
5	1343	0			1323	0		
6	1324	0			1331	0		
7								
8								
Summary:				Perforations: 0 (Pass) Maximum BFS: 36.9 mm (no requirement)	Perforations: 0 (Pass) Maximum BFS: 37.1 mm (no requirement)			

Overall P-BFS Summary	
Perforations: This requirement is for all P-BFS tested samples - New and Conditioned 0 This armor model meets the perforation performance requirements of NIJ Standard-0101.06 Section 7.8.8.	
Backface Signature: This requirement is for New armors only Maximum BFS: 43.1 mm This armor model meets the BFS performance requirements of NIJ Standard-0101.06 Section 7.8.8 Item a.	

Compliance Test Report revision NIJ 0101.06 CTR 2-25 (2015-05-22) / MS Excel version 15.0 / Operating System version Windows (32-bit) NT :.00

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORTAmmunition: .357 SIG 125/FMJ Threat 1 - New Armor
Test Velocity: 1470 ± 30 ft/s Conditioning: New

Shot Number	Sample 11			Key to Remarks: a - Too close to edge b - Too close to prior impact c - Impact on seam	Sample 11			Sample 12			Sample 12			Sample 13		
	Panel A				Panel B			Panel A			Panel B			Panel A		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Remarks		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Remarks	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Remarks	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Remarks	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Remarks
1	1451	0		1498	0		1498	0		1497	0		1492	0		
2	1572	0		1566	0		1632	0		1628	0		1571	0		
3	1667	0		1703	0		1737	0		1712	0		1698	0		
4	1787	0		1767	0		1811	0		1801	0		1769	0		
5	1861	0		1878	0		1892	0		1899	0		1884	1		
6	1960	1		1984	1		1997	1		1990	1		1811	0		
7	1860	0		1901	0		1899	0		1898	1		1860	0		
8	1943	1		1936	1		1936	0		1838	0		1888	0		
9	1888	0		1901	1		2004	0		1891	0		1948	1		
10	1952	1		1860	0		2027	1		1930	1		1899	0		
11	1895	0		1901	0		1969	1		1866	1		1945	1		
12	1947	0		1949	1		1914	1		1838	1		1895	1		
13																
14																
15																

Shot Number	Sample 13			Sample 14			Sample 14			Sample 15			Sample 15		
	Panel B			Panel A			Panel B			Panel A			Panel B		
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Remarks	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Remarks	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Remarks	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Remarks	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Remarks
1	1481	0		1485	0		1490	0		1493	0		1500	0	
2	1591	0		1610	0		1594	0		1601	0		1591	0	
3	1711	0		1747	0		1702	0		1702	0		1728	0	
4	1805	0		1811	0		1776	0		1799	0		1795	0	
5	1894	0		1899	0		1886	0		1888	0		1888	0	
6	1997	0		1999	1		1981	1		1991	1		1990	1	
7	2091	1		1897	1		1894	0		1905	0		1900	0	
8	2019	1		1819	0		1943	0		1942	0		1943	0	
9	1907	1		1867	0		1997	0		1981	1		2016	1	
10	1848	1		1906	1		2045	1		1942	0		1936	1	
11	1771	0		1851	0		1982	0		1990	1		1894	1	
12	1830	0		1906	1		2006	1		1930	1		1851	0	
13															
14															
15															

Summary:

Total Usable Shots: 120

Perforations (Complete Penetrations): 39

Stops (Partial Penetrations): 81

Acceptable

Acceptable

Acceptable

Perforations below 1500 ft/s: 0

Acceptable

Regression Analysis

Regression Model: Logistic

Estimated V50: 1925 ft/s

Estimated V05: 547 m/s (1795) ft/s

Probability of perforation at NIJ reference velocity (1470 ft/sec): 0.00% Acceptable

Test Data and Regression Model

Probability

Velocity (ft/s)

♦ Test Data

— V Ref.

— VTest +30

- - - Est. V50

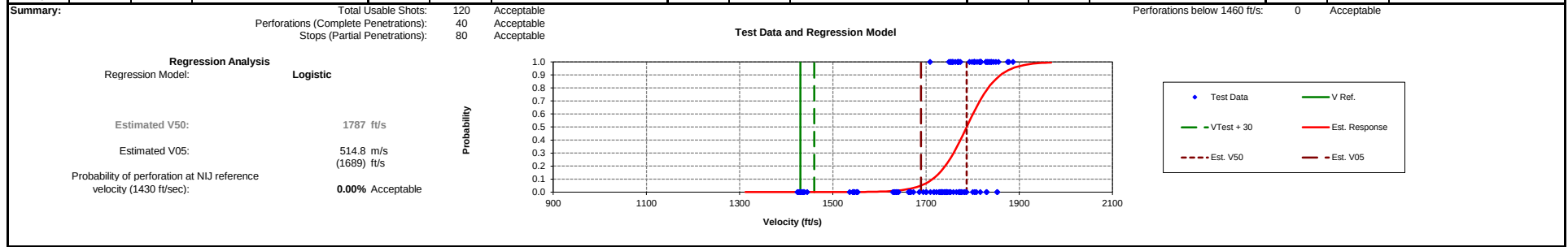
— Est. Response

- - - Est. V05

NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORTAmmunition: .44 Mag 240/SJHP Threat 2 - New Armor
Test Velocity: 1430 ± 30 ft/s Conditioning: New

Shot Number	Sample 16			Sample 16			Sample 17			Sample 17			Sample 18		
	Panel A	Panel A	Perf	Panel B	Panel B	Perf	Panel A	Panel A	Perf	Panel B	Panel B	Perf	Panel A	Panel A	Perf
	Avg. Vel. (ft/sec)	Avg. Vel. (ft/sec)	(Y=1/N=0)	Avg. Vel. (ft/sec)	Avg. Vel. (ft/sec)	(Y=1/N=0)	Avg. Vel. (ft/sec)	Avg. Vel. (ft/sec)	(Y=1/N=0)	Avg. Vel. (ft/sec)	Avg. Vel. (ft/sec)	(Y=1/N=0)	Avg. Vel. (ft/sec)	Avg. Vel. (ft/sec)	(Y=1/N=0)
1	1445	0		1422	0		1439	0		1424	0		1438	0	
2	1545	0		1553	0		1543	0		1543	0		1543	0	
3	1635	0		1667	0		1632	0		1636	0		1641	0	
4	1739	0		1743	0		1750	0		1734	0		1746	0	
5	1832	1		1845	1		1815	1		1840	1		1818	1	
6	1774	1		1767	1		1753	1		1775	0		1765	0	
7	1700	0		1685	0		1694	0		1817	1		1800	0	
8	1717	0		1742	0		1736	0		1749	1		1829	0	
9	1772	0		1781	0		1773	0		1731	0		1875	1	
10	1817	1		1830	0		1817	1		1770	1		1855	1	
11	1777	0		1853	0		1768	1		1759	0		1814	1	
12	1804	1		1886	1		1732	0		1804	1		1770	0	
13															
14															
15															

Shot Number	Sample 18			Sample 19			Sample 19			Sample 20			Sample 20		
	Panel B	Panel B	Perf	Panel A	Panel A	Perf	Panel B	Panel B	Perf	Panel A	Panel A	Perf	Panel B	Panel B	Perf
	Avg. Vel. (ft/sec)	Avg. Vel. (ft/sec)	(Y=1/N=0)	Avg. Vel. (ft/sec)	Avg. Vel. (ft/sec)	(Y=1/N=0)	Avg. Vel. (ft/sec)	Avg. Vel. (ft/sec)	(Y=1/N=0)	Avg. Vel. (ft/sec)	Avg. Vel. (ft/sec)	(Y=1/N=0)	Avg. Vel. (ft/sec)	Avg. Vel. (ft/sec)	(Y=1/N=0)
1	1429	0		1426	0		1437	0		1435	0		1429	0	
2	1551	0		1547	0		1552	0		1536	0		1552	0	
3	1638	0		1663	0		1629	0		1662	0		1632	0	
4	1744	0		1758	1		1728	0		1729	0		1757	1	
5	1840	1		1666	0		1828	1		1828	1		1722	0	
6	1753	0		1708	1		1772	0		1752	1		1734	0	
7	1803	1		1673	0		1809	1		1709	0		1783	0	
8	1742	0		1717	0		1771	0		1739	0		1816	0	
9	1808	0		1744	0		1793	1		1776	0		1852	0	
10	1834	1		1803	1		1770	1		1804	0		1878	1	
11	1798	1		1755	1		1734	0		1850	1		1837	1	
12	1751	0		1700	0		1763	1		1831	1		1786	0	
13															
14															
15															



NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

Threat 1 - Conditioned Armor

Ammunition: .357 SIG 125/FMJ
Test Velocity: 1410 ± 30 ft/s Cond: Conditioned

Sample 25				Sample 25			
Shot Number	Panel A		Remarks	Panel B		Remarks	
	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		Avg. Vel. (ft/sec)	Perf (Y=1/N=0)		
1	1404	0		1389	0		
2	1431	0		1492	0		
3	1601	0		1604	0		
4	1703	0		1710	0		
5	1785	0		1782	0		
6	1879	0		1867	1		
7	1982	1		1823	0		
8	1905	0		1860	0		
9	1936	1		1891	1		
10	1903	1		1856	1		
11	1857	0		1828	0		
12	1917	1		1857	0		
13							
14							
15							
Summary:							
			Total Usable Shots:	24	Acceptable		
			Perforations (CP):	7			
			Stops (PP):	17			
			Perforations below 1440 ft/s:	0	Acceptable		
Estimated V50: 1879 ft/s							

Threat 2 - Conditioned Armor

Ammunition: .44 Mag 240/SJHP
Test Velocity: 1340 ± 30 ft/s Cond: Conditioned

		Sample 26		Sample 26		
Panel A		Panel B				
Shot Number	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Remarks	Avg. Vel. (ft/sec)	Perf (Y=1/N=0)	Remarks
1	1325	0		1321	0	
2	1445	0		1439	0	
3	1543	0		1550	0	
4	1654	1		1631	0	
5	1564	0		1751	1	
6	1619	0		1688	1	
7	1665	0		1621	0	
8	1701	0		1659	0	
9	1746	0		1692	1	
10	1786	1		1654	0	
11	1737	1		1707	0	
12	1705	1		1749	1	
13						
14						
15						
Summary:						
			Total Usable Shots:	24	Acceptable	
			Perforations (CP):	8		
			Stops (PP):	16		
			Perforations below 1370 ft/s:	0	Acceptable	
Estimated V50: 1697 ft/s						

Overall Ballistic Limit Summary

Perforations below Vref + 30 ft/sec: 0 This requirement is for all Ballistic Limit tested samples - New and Conditioned	
This armor model meets the low perforation velocity performance requirements of NIJ Standard-0101.06 Section 7.9.5.	
Probability of perforation at the P-BFS reference velocity	
Threat 1: 0.00%	
Threat 2: 0.00%	
This armor model meets the estimated V05 performance requirements of NIJ Standard-0101.06 Section 7.9.5.	
This requirement is for New armors only	



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MCO3374
ALLIGHT H
PASS

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ALLIGHT H
PASS





WARNING: TEST ARTICLE

This Armor Panel is intended for testing.

It is **not** intended for personal use.

It has **not** been demonstrated to have any
ballistic resistance.

DO NOT WEAR!

MODEL: ALLLIGHT-H

TEST ID: MC03374

SIZE: C5

LOCATION OF MANUFACTURE: MEXICO

DATE OF MANUFACTURE: OCTOBER/2020

LOT NUMBER: 1986ALLLIGHT-H1020

SAMPLE NUMBER: 94241

THREAT LEVEL (NIJ 0101.06): LEVEL IIIA

WARNING: TEST ARTICLE

This Armor Panel is intended for testing.

It is **not** intended for personal use.

It has **not** been demonstrated to have any
ballistic resistance.

DO NOT WEAR!

****WEAR FACE****

This side to be positioned

WARNING: TEST ARTICLE

This Armor Panel is intended for testing.

It is **not** intended for personal use.

It has **not** been demonstrated to have any ballistic resistance.

DO NOT WEAR!

MODEL: ALLLIGHT-H

TEST ID: MC03374

SIZE: C5

LOCATION OF MANUFACTURE: MEXICO

DATE OF MANUFACTURE: OCTOBER/2020

LOT NUMBER: 1986ALLLIGHT-H1020

SAMPLE NUMBER: 94241

THREAT LEVEL (NIJ 0101.06): LEVEL IIIA

WARNING: TEST ARTICLE

This Armor Panel is intended for testing.

It is **not** intended for personal use.

It has **not** been demonstrated to have any ballistic resistance.

DO NOT WEAR!

****WEAR FACE****

This side to be positioned
against backing material



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3659-046

Test ID: MK03374

Model: ALLIGHT H

PASS



Armor Life Lab SA de CV
3659-046

Test ID: MC03374
Model: ALLIGHT H
PASS