

Cert. №: LF20211349



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中国认可  
国际互认  
检测  
TESTING  
CNAS L0269

# Certificate of Test

Client: \_\_\_\_\_

Address: \_\_\_\_\_

Sample Name: \_\_\_\_\_ Bulletproof Vest

Physical and Chemical Inspection Center in Non-metals  
Material of Ordnance Industries


Aug.10.2021

# Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries

## Certificate of Test

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Sample Name	Bulletproof Vest	Test Type	Consignation Test
Client		Address	
Contact Person		Phone	
Date Received	07/26/2021	Date Tested	08/02/2021
Sample Amount	1	Sample No.	2021072201
Test Standard	NIJ 0101.06 Ballistic Resistance of Body Armor IIIA /.44 Mag.		
Categories	Ballistic Resistance		
Test Conclusion	<p>The Bulletproof Vest provided by _____ was tested according with NIJ 0101.06 IIIA (.44 Mag.). Under normal temperature and humidity, no perforation occurs after 6 fair shots at the sample with .44 Magnum SJHP, the maximum BFS depth is 39.0mm, no Backface Signature (BFS) depth exceeds 44mm. The results show that the ballistic resistance of the sample satisfies the requirements of NIJ 0101.06 Level III A ( .44 Mag. ) .</p> <p>Laboratory configuration, sample description and test results are showed from Page 2 to 4.</p> <div style="text-align: center;">  <p>Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries Aug.10.2021 业务专用章</p> </div>		
Prepared By: GaoH, D	Reviewed By: [Signature]	Approved By: [Signature]	

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<b>Laboratory Configuration</b>	
<b>Test Unit</b>	Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries
<b>Ambient Test Conditions</b>	Temperature: 22 °C; Relative Humidity: 60%
<b>Setup</b>	Weapons: Ballistic Barrel Bullets: .44 Magnum SJHP Electrical chronometer (No.:6015) Meter Rule (No.:LS02061) Vernier Caliper ( No.:15120401 ) Electronic Balance( No.:F40604303)
<b>Test Range</b>	5m
<b>Sample Description</b>	
<b>Sample No.</b>	2021072201
<b>Configuration</b>	30 layers PE UD + 1 layer 0.5mm PC + 1 layer 5mm foam
<b>Remarks</b>	※ Client requirements: Every backface signature (BFS) depth of fair shots should be measured.

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**Results of Ballistic Resistance Test**

Sample Parameters				
Sample No.	Maximum Size (mm × mm)	Weight (g)	Conditioning	
2021072201	450 × 400	1024	Normal Temperature and Humidity	
Test Results				
Shot No.	Velocity(m/s)	Angle of Incidence ( ° )	Results	BFS Depth(mm)
1	443.4	0	Stop	36.5
2	445.7	0	Stop	36.0
3	437.3	0	Stop	35.2
4	443.8	+30	Stop	22.5
5	442.2	-45	Stop	20.2
6	444.8	0	Stop	39.0
Remarks	Clay Drops: 19.2mm, 18.7mm, 19.5mm, 19.0mm, 18.6mm.			



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Attached Pictures



Fig. 1 Bulletproof Vest 2021072201 (strike face)



Fig. 2 Bulletproof Vest 2021072201 (wear face)