

Cert. No: LF20220588



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中国认可  
国际互认  
检测  
TESTING  
CNAS L0269

# Certificate of Test

**Client:** Hebei Kunteng Security Technology Co., Ltd

**Address:** Xiakou Town, Fucheng County, Hengshui City, Hebei, China

**Sample Name:** Bullet Proof Plate

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

Mar.28.2022

## NOTES

1. Without business seal and paging seal the certificate is invalid.
2. Without approver signature the certificate is invalid.
3. Without the written approval of our laboratory, the certificate should not be reproduced except in full.
4. This Certificate is based on data obtained from having test only the samples submitted and should not be interpreted as an endorsement by Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries of the continuing quality, or performance, of any other items of the same, or similar design.
5. All instrumentation and measurement devices were calibrated in accordance with ISO 17025 Requirements.

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

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Page 1 of 4

Cert. No: LF20220588

|  |  |   |                   |
|--|--|---|-------------------|
| <b>Sample Name</b>   | Bullet Proof Plate   | <b>Test Type</b>  | Consignation Test |
| <b>Client</b>  | Hebei Kunteng Security Technology Co., Ltd   | <b>Contact Person</b>   | Chang Weiyan      |
| <b>Address</b>   | Xiakou Town, Fucheng County, Hengshui City, Hebei, China   | <b>Phone</b>  | 13833860656       |
| <b>Date Received</b>   | 03/22/2022   | <b>Date Tested</b>  | 03/24/2022        |
| <b>Sample No.</b>  | 22032003   | <b>Sample Amount</b>  | 1                 |
| <b>Test Standard</b>   | NIJ 0101.06 Ballistic Resistance of Body Armor Level IV  |   |                   |
| <b>Categories</b>  | Ballistic Resistance   |   |                   |
| <b>Test Conclusion</b>   | <p>The Bullet Proof Plate provided by Hebei Kunteng Security Technology Co., Ltd was tested referring to NIJ 0101.06 Level IV. Under normal temperature and humidity, no perforation occurs after 3 fair shots at the sample with 7.62mm API, no Backface Signature (BFS) depth exceeds 44mm and the maximum BFS depth is 32.8mm. The test results show the ballistic resistance of the sample satisfies the requirements of NIJ 0101.06 Level IV.</p> <p>Laboratory configuration, sample description and test results are showed from Page 2 to 4.</p> |   |                   |
|  <p style="text-align: center;"><b>Physical and Chemical Inspection Center</b><br/><b>in Non-metals Material of Ordnance Industries</b><br/>Mar.28.2022</p> |  |   |                   |
| <b>Prepared By:</b> <i>Gawlu</i>   |  | <b>Reviewed By:</b> <i>Pengyang</i> <b>Approved By:</b> <i>Wyan</i> |                   |

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

Page 2 of 4

Cert. No: LF20220588

| <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: 19°C; Relative Humidity: 42%   |
| <b>Setup</b>                    | Weapons: Ballistic Barrel<br>Bullets: 7.62mm API<br>Electrical chronometer (No.: 6015)<br>Meter Rule (No.: LS02061)<br>Vernier Caliper ( No.: 15120401 )<br>Electronic Balance( No.: F40604303) |
| <b>Test Range</b>               | 15m   |
| <b>Angle of Incidence</b>       | 0°  |
| <b>Sample Description</b>       |   |
| <b>Sample No.</b>               | 22032003  |
| <b>Configuration</b>            | 10mm Al <sub>2</sub> O <sub>3</sub> Ceramic+ 12mm PE plate  |
| <b>Remarks</b>                  | ※ Client requirements: The sample should be shot with 3 rounds of 7.62mm API and every backface signature (BFS) depth of fair shots should be measured.   |



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Certificate of Test**

**Results of Ballistic Resistance Test**

| Sample No. | Size<br>(mm×mm) | Thickness<br>(mm) | Weight<br>(g) | Conditioning                          | Shot No. | Velocity(m/s) | Results | BFS Depth(mm) |
|------------|-----------------|-------------------|---------------|---------------------------------------|----------|---------------|---------|---------------|
| 22032003   | 250×300         | 24.6              | 2794          | Normal<br>Temperature<br>and Humidity | 1        | 874.9         | Stop    | 25.3          |
|            |                 |                   |               |                                       | 2        | 876.0         | Stop    | 32.5          |
|            |                 |                   |               |                                       | 3        | 873.7         | Stop    | 32.8          |

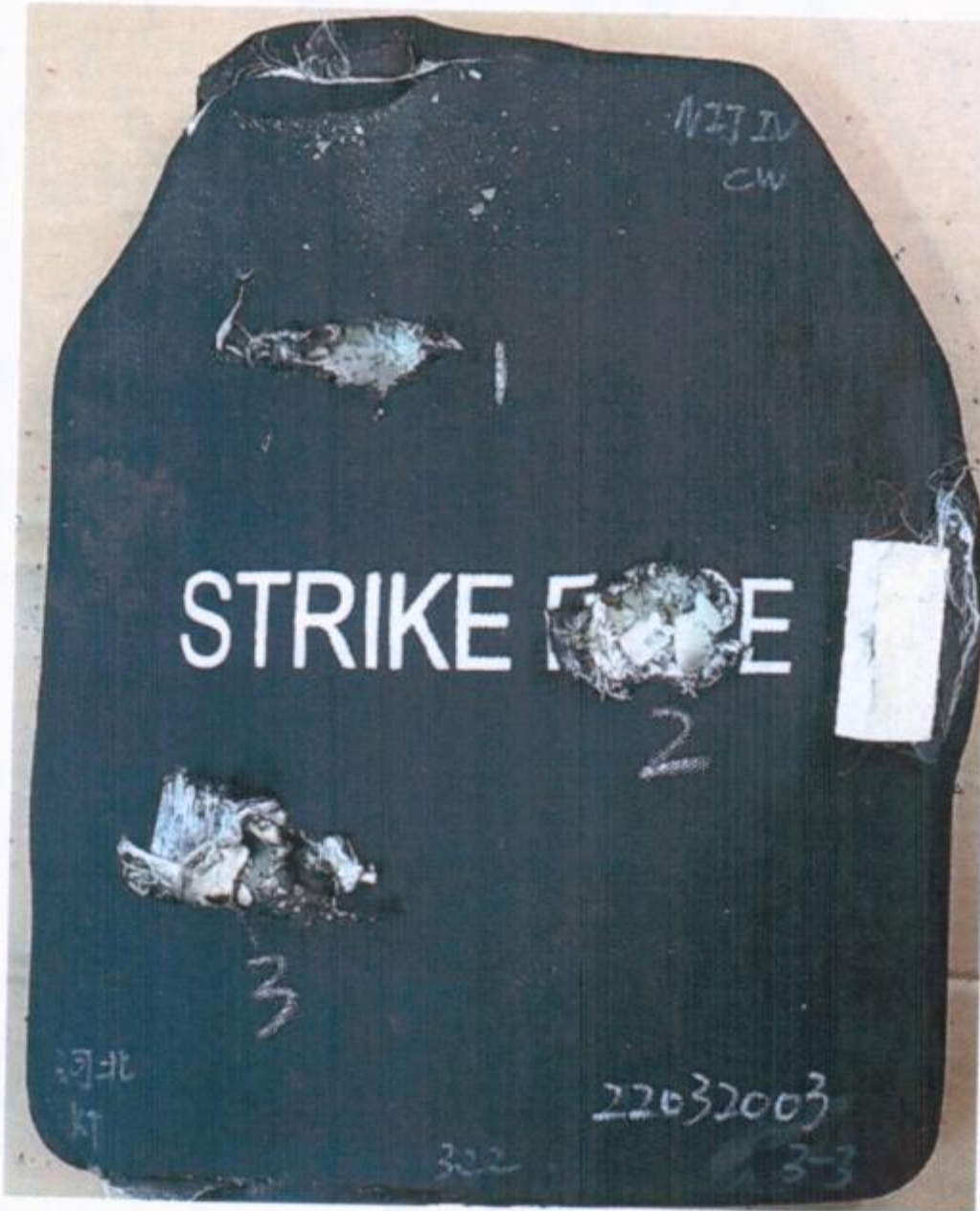


**Physical and Chemical Inspection Center  
in Non-metals Material of Ordnance Industries  
Certificate of Test**

Page 4 of 4

Cert. №: LF20220588

**Attached Pictures**



**Fig. 1 Bullet Proof Plate 22032003(strike face)**



**Fig. 2 Bullet Proof Plate 22032003(wear face)**