

Cert. No: LF20190302



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中国认可  
国际互认  
检测  
TESTING  
CNAS L0269

# Certificate of Test

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

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

Sample Name: \_\_\_\_\_ Ballistic Insert \_\_\_\_\_

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

Jun.03.2019



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

## Certificate of Test

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Sample Name	Ballistic Insert	Test Type	Consignation Test
Client	[REDACTED]	Address	[REDACTED]
Contact Person	Ding Xu	Phone	15862945920
Date Received	06/03/2019	Date Tested	06/03/2019
Sample Amount	1	Sample No.	AK180705-02
Categories	Ballistic Resistance	Standard	NIJ 0101.06 level IV
Test Conclusion	<p>The Ballistic Insert (Sample No.: AK180705-02) provided by Jiangsu Ankey Advanced Material Technology Co., Ltd. was tested according with NIJ 0101.06 Level IV. Under normal temperature and humidity, no perforation occurs after 3 fair shots at the sample with 7.62mm API and the maximum of BFS depth is 31.2mm.</p> <p>Laboratory configuration, sample description and test results are showed from page 2 to 3.</p> <p>Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries Jun.03.2019</p>		
Prepared By: Wang Wei	Reviewed By: Feng Yang	Approved By: [Signature]	[Red Seal: 物理化学检测中心 业务专用章]



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Laboratory Configuration	
Test Unit	Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries
Ambient Test Conditions	Temperature: 26°C; Relative Humidity: 72%.
Setup	Weapons: Ballistic Barrel Bullets: 7.62mm API Electrical chronometer (No.: 9415) Caliper Gauge (No.: 11242252) Meter Rule (No.: LS02061) Electronic Balance (No.: F40604303)
Test Range	15m
Angle of Incidence	0°
Sample Description	
Sample No.	AK180705-02
Configuration	10mm SiC/10mm PE composites
Remarks	Blank
Recorded By: Wang Wei      Checked By: Wang Xueai	



**Physical and Chemical Inspection Center  
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**Results of Ballistic Resistance Test**

Sample Parameters				
Sample No.	Size(mm×mm)	Thickness(mm)	Weight (g)	Conditioning
AK180705-02	300 × 250	24.0	2285	Normal Temperature and Humidity
Test Results				
Shot No.	Velocity(m/s)	Results	BFS Depth(mm)	
1	879.5	Stop	31.2	
2	878.3	Stop	28.7	
3	881.1	Stop	28.4	
	Blank			
<b>Remarks</b>	Clay Drops: 19.2mm, 18.8mm, 20.1mm, 19.7mm, 18.6mm.			
Tested By: Wang Wei		Checked By: Wang Xueai		

