

Cert. No: LF20190167



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中国认可  
国际互认  
检测  
TESTING  
CNAS L0269



# Certificate of Test

**Client:** Jiangsu Ankey Advanced Material Technology Co.,Ltd.

**Address:** No.468 Wisdom Rd, Dingmao Zhenjiang, Jiangsu, China 212009

**Sample Name:** Ballistic Insert

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

Apr.01.2019




由 扫描全能王 扫描创建



**Physical and Chemical Inspection Center  
in Non-metals Material of Ordnance Industries  
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<b>Sample Name</b>	Ballistic Insert	<b>Test Type</b>	Consignation Test
<b>Client</b>	Jiangsu Ankey Advanced Material Technology Co.,Ltd.	<b>Address</b>	No.468 Wisdom Rd, Dingmao Zhenjiang, Jiangsu, China 212009
<b>Contact Person</b>	Ding Xu	<b>Phone</b>	15862945920
<b>Date Received</b>	03/29/2019	<b>Date Tested</b>	03/29/2019
<b>Sample Amount</b>	1	<b>Sample No.</b>	AK190321-01
<b>Categories</b>	Ballistic Resistance	<b>Standard</b>	NIJ 0101.06 level IV
<b>Test Conclusion</b>	<p>The Ballistic Insert (Sample No.: AK190321-01) 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 34.2mm.</p> <p>Laboratory configuration, sample description and test results are showed from page 2 to 4.</p>		
<p>Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries Apr.01.2019</p>			
Prepared By: <i>Gaob</i>	Reviewed By: <i>Fengyang</i>	Approved By: <i>[Signature]</i>	





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Laboratory Configuration	
Test Unit	Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries
Ambient Test Conditions	Temperature:14°C; Relative Humidity: 56%.
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.	AK190321-01
Configuration	10mm Al <sub>2</sub> O <sub>3</sub> +10mm PE composites
Remarks	Blank
Recorded By: Wang Wei	Checked By: Wang Kuan





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**Results of Ballistic Resistance Test**

Sample Parameters				
Sample No.	Size(mm×mm)	Thickness(mm)	Weight (g)	Conditioning
AK190321-01	300 × 250	22.0	2823	Normal Temperature and Humidity
Test Results				
Shot No.	Velocity(m/s)	Results	BFS Depth(mm)	
1	872.2	Stop	31.7	
2	879.5	Stop	28.5	
3	875.7	Stop	34.2	
	Blank			
<b>Remarks</b>	Clay Drops: 19.3mm, 18.5mm, 20.6mm, 17.7mm, 18.4mm.			
<b>Tested By:</b> <i>Wang Wei</i>	<b>Checked By:</b> <i>Wang Xueai</i>			





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Attached Pictures

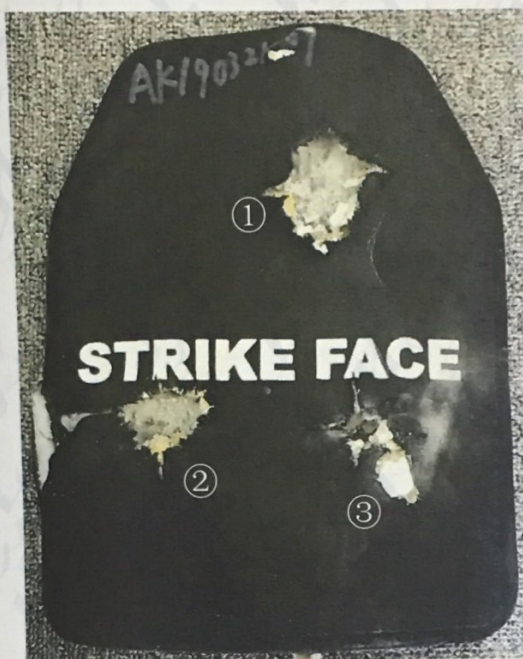


Fig. 1 Ballistic Insert AK190321-01 (strike face)

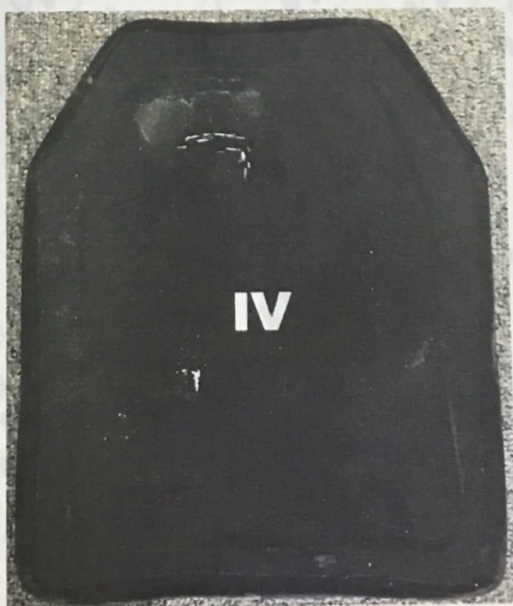


Fig. 2 Ballistic Insert AK190321-01 (wear face)

