

Cert. №: LF20212127



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中国认可
国际互认
检测
TESTING
CNAS L0269

Certificate of Test

Client: Folkward

Address: Sindelargasse 82, 1100 Vienna, Austria

Sample Name: Bulletproof Plate-ECO IV SAPI

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


Nov.25.2021



**Physical and Chemical Inspection Center
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Sample Name	Bulletproof Plate-ECO IV SAPI	Test Type	Consignation Test
Client	Folkward	Contact Person	Folkward
Address	Sindelargasse 82,1100 Vienna, Austria	Phone	+43(0)660 666 90 35
Date Received	11/12/2021	Date Tested	11/18/2021
Sample No.	5-3#	Sample Amount	1
Test Standard	NIJ 0101.06 Ballistic Resistance of Body Armor Level IV		
Categories	Ballistic Resistance		
Test Conclusion	<p>The Bulletproof Plate-ECO IV SAPI provided by Folkward was tested according with NIJ 0101.06 Level IV and client requirements. Under normal temperature and humidity, no perforation occurs after 3 fair shots at the sample with 7.62mm API, the maximum BFS depth is 26.8mm, 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 IV.</p> <p>Laboratory configuration, sample description and test results are showed from Page 2 to 4.</p>		
 <p style="text-align: center;">Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries Nov.25.2021 业务专用章</p>			
Prepared By: <i>Gao huo</i>		Reviewed By: <i>Pengyang</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: 19°C; Relative Humidity: 58%
Setup	Weapons: Ballistic Barrel Bullets: 7.62mm API Electrical chronometer (No.:6015) Meter Rule (No.:LS02061) Vernier Caliper (No.:15120401) Electronic Balance(No.:F40604303)
Test Range	15m
Angle of Incidence	0°
Sample Description	
Sample No.	5-3#
Configuration	Al ₂ O ₃ Ceramic / PE plate / foam
Remarks	※Client requirements: The sample should be shot with 3 rounds of 7.62mm API.



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Results of Ballistic Resistance Test

Conditioning	Size (mm×mm)	Thickness (mm)	Weight (g)	Shot No.	Velocity(m/s)	Results	BFS Depth(mm)
Normal Temperature and Humidity	250×300	29.8	3006	1	881.1	Stop	23.3
				2	885.0	Stop	22.6
				3	879.1	Stop	26.8

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Attached Pictures

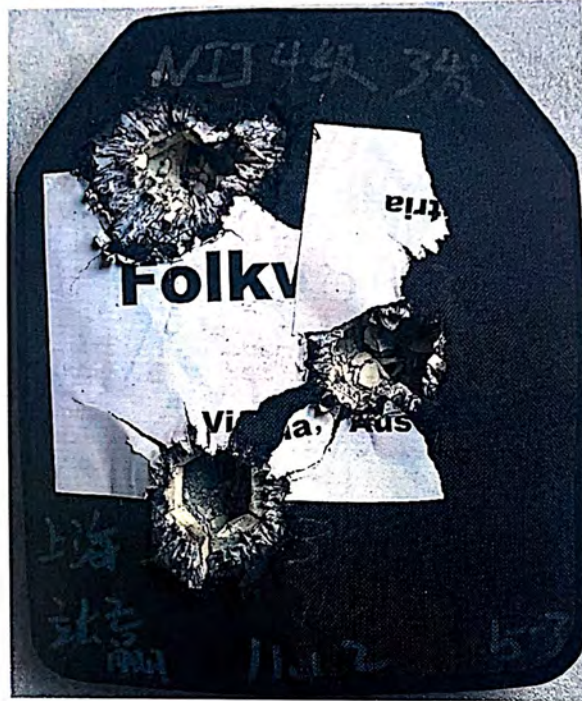


Fig. 1 Bulletproof Plate-ECO IV SAPI (strike face)



Fig. 2 Bulletproof Plate-ECO IV SAPI (wear face)