

Cert. No: LF20211951



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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 Sideplate 15 × 20

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


Nov.03.2021

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

## Certificate of Test

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<b>Sample Name</b>	Bulletproof Plate-ECO Sideplate 15 × 20	<b>Test Type</b>	Consignation Test
<b>Client</b>	Folkward	<b>Contact Person</b>	Folkward
<b>Address</b>	Sindelargasse 82,1100 Vienna, Austria	<b>Phone</b>	+43(0)660 666 90 35
<b>Date Received</b>	09/30/2021	<b>Date Tested</b>	11/02/2021
<b>Sample No.</b>	4-2#	<b>Sample Amount</b>	1
<b>Test Standard</b>	NIJ 0101.06 Ballistic Resistance of Body Armor Level III		
<b>Categories</b>	Ballistic Resistance		
<b>Test Conclusion</b>	<p>The Bulletproof Plate-ECO Sideplate 15 × 20 provided by Folkward was tested according with NIJ 0101.06 Level III and client requirements. Under normal temperature and humidity, no perforation occurs after 2 fair shots at the sample with 7.62mm × 51 NATO M80, the maximum BFS depth is 30.2mm, 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.</p> <p>Laboratory configuration, sample description and test results are showed from Page 2 to 4.</p> <div style="text-align: center; margin-top: 20px;">  <p><b>Physical and Chemical Inspection Center</b> in Non-metals Material of Ordnance Industries Nov.03.2021</p> </div>		
<b>Prepared By:</b>	<i>Crawno</i>	<b>Reviewed By:</b>	<i>Fougang</i>
		<b>Approved By:</b>	<i>Leif</i>

11/02/2021



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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: 20°C; Relative Humidity: 52%
<b>Setup</b>	Weapons: M14 7.62mm Automatic Rifle Bullets: 7.62mm × 51 NATO M80 Electrical chronometer (No.:6015) Meter Rule (No.:LS02061) Vernier Caliper ( No.:15120401 ) Electronic Balance( No.:F40604303)
<b>Test Range</b>	15m
<b>Angle of Incidence</b>	0°
<b>Sample Description</b>	
<b>Sample No.</b>	4-2#
<b>Configuration</b>	PE + foam
<b>Remarks</b>	※ Client requirements: The sample should be shot with 2 rounds of 7.62mm × 51 NATO M80.

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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	150 × 200	30.1	778	1	840.7	Stop	30.2
				2	842.5	Stop	26.8





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**Attached Pictures**



**Fig. 1 Bulletproof Plate-ECO Sideplate 15×20 (strike face)**



**Fig. 2 Bulletproof Plate-ECO Sideplate 15×20 (wear face)**

物理和化学检验中心