

Cert. №: LF20211952



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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 SAPI

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

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<b>Sample Name</b>	Bulletproof Plate-ECO SAPI	<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>	4-3#	<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 SAPI provided by Folkward was tested according with NIJ 0101.06 Level III and client requirements. Under normal temperature and humidity, no perforation occurs after 6 fair shots at the sample with 7.62mm × 51 NATO M80, the maximum BFS depth is 38.3mm, 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>		
<p><b>Physical and Chemical Inspection Center</b> <b>in Non-metals Material of Ordnance Industries</b></p> <p style="text-align: center;">Nov.03.2021</p> 			
<b>Prepared By:</b>	<i>Gawko</i>	<b>Reviewed By:</b>	<i>Fengyang</i>
		<b>Approved By:</b>	<i>Lepin</i>

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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>	4-3#
<b>Configuration</b>	PE + foam
<b>Remarks</b>	※ Client requirements: The sample should be shot with 6 rounds of 7.62mm × 51 NATO M80.




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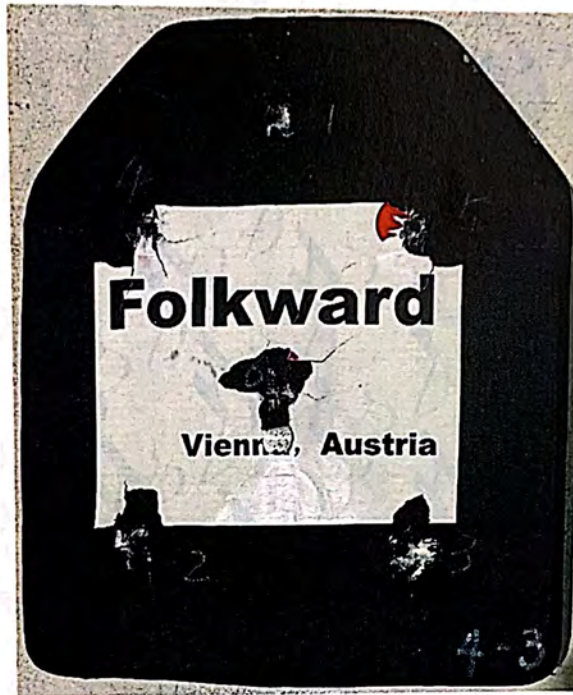
**Results of Ballistic Resistance Test**

Conditioning	Size (mm × mm)	Thickness (mm)	Weight (g)	Shot No.	Velocity(m/s)	Results	BFS Depth(mm)
Normal Temperature and Humidity	250 × 300	30.1	1773	1	843.9	Stop	34.3
				2	842.5	Stop	34.5
				3	840.7	Stop	38.3
				4	844.6	Stop	31.6
				5	843.2	Stop	32.8
				6	841.4	Stop	33.4



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**Attached Pictures**



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



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

Handwritten red mark, possibly a signature or initials, located on the right side of the page.