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TESTING
CNAS L6011

Test Report

BJZ(2019) 1374

Name: Bulletproof Plate

Type: /

Test Sort: Commission Test

Client: China Hengtai Group Co., Limited

Date: Dec. 2, 2019

Test Center of Ordnance and
Equipment Research Institute,
China Ordnance and Equipment Group

Quality Supervision and Inspection
Center for Special Production of
China Ordnance and Equipment

Test Report



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Name	Bulletproof Plate	Type	/
Client	China Hengtai Group Co., Limited	Client Principal	Frank Zhu
Address	UNIT A ON 20TH FLOOR WANG CHEONG BUILDING NO.251 RECLAMATION STREET KOWLOON HK	Telephone	8613302019738
Manufacturer	China Hengtai Group Co., Limited	Test Sort	Commission Test
Test Date	Nov. 27, 2019	Brand	/
Lot Number	/	Sample Quantity	1
Sample Number	YP191127-9	Sample State	Good
Standard	NIJ Standard-0101.06 Ballistic Resistance of Body Armor		
Test item	Bulletproof Performance		
Test Conclusion	The bulletproof plate (sample), which is provided by China Hengtai Group Co., Limited, has been tested by ball firing at normal temperature. The bulletproof performance conforms to the requirements of level III of NIJ Standard-0101.06 Ballistic Resistance of Body Armor. See table and figure 1-2.		
Remarks			
Editor: Sun Li Censor: Gao lei Approver: Zhou Honghui			

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Test place, environment (special requirement of environment) and test equipments	
Test place	Quality Supervision and Inspection Center for Special Production of China Ordnance Equipment
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Test environment (special requirement of environment)	Indoor: temperature 22℃, humidity 42%RH
	/
Test equipments	Universal standard Measure Tools Ballistic Analytic System (No.328000212) Electro- balance (CSJL-00122) Testing weapon: M14 7.62mm automatic rifle Testing ammunition: 7.62mm NATO cartridge
Character & Structure of sample	The sample is made of PE and EVA.

Test Table of Bulletproof Plate

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Sample Number	Sample Weight (kg)	Protected Area (m ²)	Sample Condition	Shooting Distance (m)	Angle Incidence	Shooting Sequence	Muzzle Velocity (m/s)	Penetration	BFS Depth	
									Requirement (mm)	Measured Value (mm)
YP191127-9	1.42	0.07	Normal Temperature	15	0°	1	855	NP	≤ 44.0	29.1
						2	847	NP		21.7
						3	852	NP		30.2
						4	850	NP		23.5
						5	849	NP		22.7
						6	853	NP		34.5



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Figure 1 Impact Side



Figure 2 Backing Material