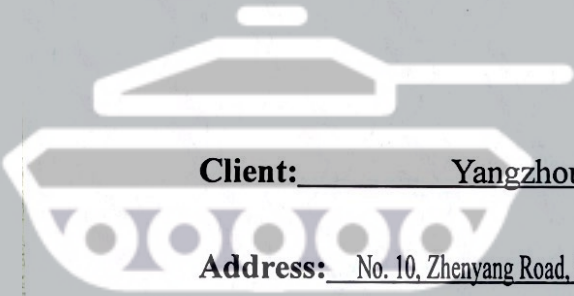


Cert. No: LF20221213



Certificate of Test



Client: Yangzhou SanShan Industrial Ceramics Co., LTD.

Address: No. 10, Zhenyang Road, Zhenwu Town, Jiangdu District, Yangzhou City, Jiangsu Province, China

Sample Name: Bulletproof Helmet

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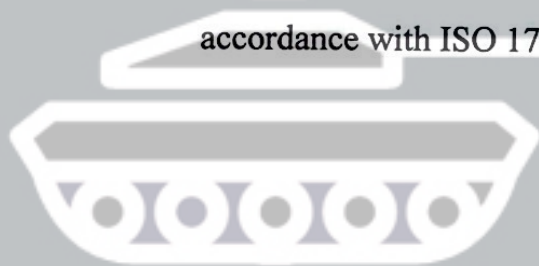
May.30.2022



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NOTES

1. Without business seal and paging seal the certificate is invalid.
2. Without approver signature the certificate is invalid.
3. Without the written approval of our laboratory, the certificate should not be reproduced except in full.
4. This Certificate is based on data obtained from having test only the samples submitted and should not be interpreted as an endorsement by Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries of the continuing quality, or performance, of any other items of the same, or similar design.
5. All instrumentation and measurement devices were calibrated in accordance with ISO 17025 Requirements.



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Addr.: No.3 Tianjiazhuang East Road, Tianqiao District, Jinan

P.O. Box 108, Jinan, China

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Cert. №: LF20221213

Sample Name	Bulletproof Helmet	Test Type	Consignation Test
Client	Yangzhou SanShan Industrial Ceramics Co., LTD.	Contact Person	Long Chengyong
Address	No. 10, Zhenyang Road, Zhenwu Town, Jiangdu District, Yangzhou City, Jiangsu Province, China	Phone	13505279621
Date Received	05/23/2022	Date Tested	05/26/2022
Sample No.	1-1	Sample Amount	1
Test Standard	NIJ 0106.01 NIJ Standard for Ballistic Helmets NIJ 0101.04 Ballistic Resistance of Personal Body Armor IIIA (9mm FMJ RN)		
Categories	Ballistic Resistance		
Test Conclusion	<p>The Bulletproof Helmet provided by Yangzhou SanShan Industrial Ceramics Co., LTD. was tested according with NIJ 0106.01, NIJ 0101.04 IIIA (9mm FMJ RN). Under normal temperature and humidity, no perforation occurs after four fair shots at the sample with 9mm FMJ RN under the reference velocity of 436m/s±9m/s, and the maximum Trauma Height is 36.8mm.</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 May.30.2022 业务专用章</p>			
Prepared By:	<i>Crabro</i>	Reviewed By:	<i>Fengqiang</i>
		Approved By:	<i>Liyun</i>



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Cert. №: LF20221213

Laboratory Configuration	
Test Unit	Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries
Ambient Test Conditions	Temperature: 20°C; Relative Humidity: 48%
Setup	Weapons: Ballistic Barrel Bullets: 9mm FMJ RN Electrical chronometer (No.:6015) Caliper Gauge(No.: 11242252) Electronic Balance(No.:F40604303)
Test Range	5m
Angle of Incidence	0°
Sample Description	
Sample No.	1-1
Configuration	The helmet shell is made of PE
Remarks	Blank



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Results of Ballistic Resistance Test

Sample No.	Thickness (mm)	Weight (g)	Conditioning	Shot No.	Impact Point	Velocity (m/s)	Results	Trauma Height (mm)	Remarks
1-1	9.8	1303	Normal Temperature and Humidity	1	Front	443.8	Stop	34.5	Bullets: 9mm FMJ RN
				2	Back	442.2	Stop	25.3	
				3	Left	441.7	Stop	36.8	
				4	Right	441.2	Stop	29.4	



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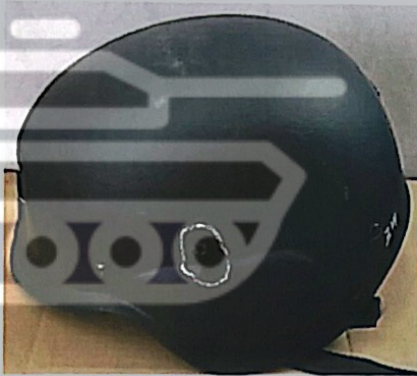
Attached Pictures



(a) front



(b) back



(c) left



(d) right



(e) inside

Fig. 1 Bulletproof Helmet 1-1 (after testing)



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