



210721340101



China's recognition
International
Mutual Recognition
Testing –
CNAS L19117



TRIADA-CHINA.COM

Inspection Report

Test Report

report number: ZF202610JK13604

product name: Yarn spinning

kind of inspection: Entrusted Testing

Testing Organization: Jilin Province Zhongfu Testing Technology Service Co., Ltd.

client: Jiangmen Triada Import and Export Trading Co., Ltd.

Jilin Province Zhongfu Testing Technology Service Co., Ltd.

Jilin Zhongfu Testing Technology Service Co., Ltd



Contact Address: Room 519, School of Mechanical and Electrical Engineering, Fourth Teaching Building, Changchun Institute of Technology, No.395 Kuanping Avenue, Chaoyang District, Changchun, Jilin Province

Tel: 400-8707-818 | Website: <http://www.zhongfu-ybl.com/> | Email: zhongfutesting@163.com

Sample Name	Yarn spinning	Sample Model	3mm×2cm、3mm×5cm、3mm×10cm、3mm×20cm、4mm×5cm、4mm×10cm、4mm×15cm、4mm×20cm、5mm×5cm、5mm×10cm、5mm×20cm、6mm×5cm、6mm×10cm、6mm×20cm、7mm×5cm、7mm×10cm、7mm×20cm、8mm×5cm、8mm×10cm、8mm×20cm (rope diameter × mesh size)
Brand name	/	Sample condition	Intact
Detection Category	Entrusted Testing	Sample size	24PCS
Applying Organization	Binzhou Zhongbai Rope & Net Co., Ltd.		
Address of the applicant organization	Lizhuang Town, Huimin County, Binzhou City, Shandong Province		
Production unit	Binzhou Zhongbai Rope & Net Co., Ltd.		
Address of the production unit	Lizhuang Town, Huimin County, Binzhou City, Shandong Province		
Sample Collection Date	October 9, 2026		
Inspection Date	October 9, 2026 – October 19,2026		
Surveillance project	See the main text for details.		
Criterion of detection	GB/T 8834-2026" <i>Fiber ropes — Determination of physical and mechanical properties</i> " GB/T 21328-2024" <i>Fiber ropes — General requirements</i> "		
Ambient temperature	Temperature: 25 °C; Humidity: 60%		
Detection result	See this report		
Test Results	All test items in this inspection comply with the requirements of the testing standards, and the results are deemed satisfactory. (Special Seal for Test Reports) October 19,2026		
Remarks	The inspection and testing conclusions in this report are based solely on the inspection and testing criteria applied to the specific items examined; they do not imply that other items or functions not subject to such inspection and testing comply with the requirements.		
Lead Inspector: 卢景河	Auditor: 陈楚燕	Signatory: 陈刚	

test result:

Order number	Surveillance project	Technical requirement	Detection result	Single-item assessment
1	Presentation quality	The surface is free of damage, broken strands, nodules, or oil stains; the weaving is uniform.	Compliant with appearance requirements	Qualified
2	Cable diameter (3 mm group)	3.0 mm $\pm$ 0.15 mm	2.98 mm	Qualified
3	Cable diameter (4 mm group)	4.0 mm $\pm$ 0.20 mm	4.02 mm	Qualified
4	Cable diameter (5 mm group)	5.0 mm $\pm$ 0.25 mm	5.03 mm	Qualified
5	Cable diameter (6 mm group)	6.0 mm $\pm$ 0.30 mm	6.05 mm	Qualified
6	Mesh size (2 cm)	20 mm $\pm$ 2 mm	20.5 mm	Qualified
7	Mesh size (5 cm)	50 mm $\pm$ 3 mm	50.8 mm	Qualified
8	Mesh size (10 cm)	100 mm $\pm$ 5 mm	101.2 mm	Qualified
9	Mesh size (15 cm)	150 mm $\pm$ 6 mm	151.5 mm	Qualified
10	Mesh size (20 cm)	200 mm $\pm$ 8 mm	202.0 mm	Qualified
11	Single rope breaking strength (3 mm)	$\geq$ Nominal value (typical for filament yarn $\geq$ 6 kN)	6.8 kN	Qualified
12	Single rope breaking strength (4 mm)	$\geq$ Nominal value (typical $\geq$ 10 kN)	11.2 kN	Qualified
13	Single rope breaking strength (5 mm)	$\geq$ Nominal value (typical $\geq$ 15 kN)	16.5 kN	Qualified
14	Single rope breaking strength (6 mm)	$\geq$ Nominal value (typical $\geq$ 22 kN)	23.8 kN	Qualified
15	Elongation at break	Complies with fiber properties (typically 2%–5%)	3.2%	Qualified
16	Nodular strength	$\geq$ 65% of the fracture strength	4.6 kN (3 mm group)	Qualified
17	Overall tensile strength of the web	Meets the design load requirements	Accord with	Qualified

Order number	Surveillance project	Technical requirement	Detection result	Single-item assessment
18	Node tensile load capacity	Nodes remain non-slipping and non-separating.	Accord with	Qualified
19	Abrasion test	Strength retention rate after wear $\geq 80\%$	85%	Qualified
20	Fatigue resistance	No fracture occurred after cyclic loading.	Accord with	Qualified
21	UV resistance	Strength retention rate after aging $\geq 70\%$	78%	Qualified
22	Resistant to 湿热 aging	The intensity retention rate after exposure to damp-heat is $\geq 80\%$.	83%	Qualified
23	Salt spray resistance	No corrosion observed after salt spray testing; strength meets specifications.	Accord with	Qualified
24	High-temperature resistance	The long-term service temperature of the filament yarn complies with the specified limit (typically $\leq 200^\circ\text{C}$).	Accord with	Qualified
25	Thermal shrinkage rate	The shrinkage rate at high temperatures complies with the specified requirements.	1.8%	Qualified
26	Resistant to acids and alkalis	The strength retention rate after acid-and alkali immersion is $\geq 80\%$.	86%	Qualified
27	Resistant to organic solvents	Performance in common solvents complies with requirements.	Accord with	Qualified
28	Flame retardancy (OIL)	Aramid fibers are inherently flame-retardant, with an LOI $\geq 28\%$.	LOI 29.5%	Qualified
29	Flame retardancy (vertical burning)	The smoldering/slow combustion duration complies with GB/T 5455.	Flame continues for 0s; smoldering 0 s	Qualified
30	Anti-static properties	Surface resistance complies	Accord with	Qualified
31	Cut-resistant / Wear-resistant rating	Complies with the corresponding protection rating	Accord with	Qualified
32	Mass per unit area	Complies with the design values	Accord with	Qualified

*****End of Report*****

Sample Image



Statement

- 1、 The test results reported in this report pertain solely to the specific items tested.
- 2、 If the report lacks the "Special Seal for Inspection and Testing" or the official seal of the testing institution, it shall be deemed invalid.
- 3、 This report is invalid due to the absence of signatures or seals of the inspector, reviewer, and approver.
- 4、 Any unauthorized alterations or photocopies of this report shall be invalid; any photocopying must be approved by this Center and bear the official seal of the Center.
- 5、 The commissioned test shall be solely responsible for the samples provided.
- 6、 Any objections to the trial report shall be submitted to the trial institution within fifteen days from the date of receipt of the report; otherwise, such objections will not be accepted.
- 7、 The test data marked with "*" in this report were obtained from external testing; such testing falls outside the scope of CNAS or CMA accreditation of this laboratory and does not provide impartiality.
- 8、 The client may only access the information after 10 working days following the submission of the written application.
- 9、 Regarding the samples submitted for testing, the client claims that this company shall not be held liable for the authenticity of such samples.
- 10、 If the client fails to retrieve the samples within one month from the date of receipt of the test report, it shall be deemed that the testing entity is permitted to dispose of the samples independently.

