

TESTING  
CNAS L5272

## TESTING REPORT

APPLICANT : GAZELLE INDUSTRIAL CO.

SAMPLE NAME : Reinforced Plastic Step Ladder

SPEC. : G3004

ROTED LOAD : 300 lbs

DUTY RATING : Extra Heavy-Duty

TEST CATEGORY : Commissioned testing

REPORT No. : WJMJC-17-09-004

THE PERFORMED : Selected test (s) as requested by applicant

Testing Center of **Tianjin Jinmao Group CO.,Ltd**

Address: Beichen, Tianjin, China

Tel : (86-22) -26662065

Post : 300402

## NOTES

- 1 This test report is invalid without the stamp of "Testing Centre of Tianjin Jinmao Group Co., Ltd" and "Testing Centre Testing seal of Tianjin Jinmao Group., Co. Ltd. "
- 2 The report is invalid without the signature of complier, auditor and approver.
- 3 The report is invalid if altered, full-text copy of the report is invalid without the stamp of "Testing Centre of Tianjin Jinmao Group Co., Ltd. "And "Testing Centre Seal of Tianjin Jinmao group Co., Ltd. "
- 4 This report is only responsible for the test part of test sample.
- 5 The report may not be copied without the agreement of testing centre.
- 6 If client raises an objection, please submit the objection to testing centre within 15 days from the receipt of report.
- 7 The report is in duplicate, one copy for the testing centre, the other copy for the client.

**Testing company: Testing Center of Tianjin Jinmao Group CO.,Ltd**


**Address: 980#, Jinwei Road, Beichen District, Tianjin, China**

**Tel : ( 86-22 ) -26662065**

**Fax : ( 86-22 ) -86853460**


**Testing Center of Tianjin Jinmao Group CO.,Ltd**  
**TESTING REPORT**

**Report No:** WJMJC-17-09-004

<b>Sample's Name</b>	Reinforced Plastic Step Ladder (G3004)		<b>Sample Number</b>	WJMJC-17-09-004	
<b>Applicant</b>	GAZELLE INDUSTRIAL CO.		<b>Origins of the samples</b>	Commissioned Testing	
<b>Applicant Address</b>	DUBAI INVESTMENT PARK 1, OPP. GREEN COMMUNITY WEST ST. 43 COMMUNITY 598, DUBAI, UAE				
<b>Number of samples</b>	1 PC	<b>Sample state</b>	Looks good, no damage	<b>Commissioned by date</b>	18.09.2017
<b>Test environment</b>	Temperature:28°C , Humidity:46%RH				
<b>Main testing Equipment</b>	Integrated pressure testing machine(JMJC-J-01) Cyclic testing machine of Stile(JMJC-J-02) Testing machine for the bottom of Stile(JMJC-J-03)				
<b>Detection Based on</b>	Ladders portable Reinforced plastic -safety requirements ANSI A14.5: 2007 8.5 Step Trestle (double Front)、Extension Trestle、Platform、combination Articulated And Step Stool Tests; 8.7 Cyclic loading Tests				
<b>Test Items</b>	ANSI A14.5: 2007 8.5.1/8.5.2/8.5.3/8.5.4/8.5.6/8.5.7/8.5.8/8.5.9/8.5.10.1/ 8.5.11.1/8.5.11.2/8.5.11.3/8.5.12/8.5.13/8.7.3				
<b>Conclusions</b>	<div style="text-align: center;">  <p><b>PASS</b></p> </div> <p>Test result(s) please refer to the following page(s)            Inspection company (signature) Date:20.09.2017</p>				
<b>Remarks</b>					

**Formulated by:** Lin Mei

**Audited by:** Feng Feng

**Approved by:** 

**Date:** 20.09.2017

**Date:** 20.09.2017

**Date:** 20.09.2017



## Testing Center of Tianjin Jinmao Group CO.,Ltd

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**Report No:** WJMJC-17-09-004


**Executive summary:**

No.	Clause	Test items	Test standards	Test results	Single conclusion
1	8.5.1	Compression test	No damage after carried 1200 lbs 1min.	No damage.	Pass
2	8.5.2	Side-rail bending test	No damage after carried 1200 lbs 1min.	No damage.	Pass
3	8.5.3	Step or platform bending test	Permanent deflection $\leq L/100$ Length of step $L=361\text{mm}$ , $f \leq 3.61\text{mm}$	$f=0.25\text{mm}$	Pass
4	8.5.4	Step-to-side-rail shear strength test	No damage after carried 1200 lbs 1min.	No damage.	Pass
5	8.5.5	Bucket (pail)shelf test	No damage after carried 100 lbs 1min.	—	NA
6	8.5.6	Front stability test	Applying 25 lbs pull ,the ladder doesn't tip over.	Not tilt.	Pass
7	8.5.7	Side stability test	Applying 20 lbs pull ,the ladder doesn't tip over.	Not tilt.	Pass
8	8.5.8	Rear stability test	Applying 45 lbs pull ,the ladder doesn't tip over.	Not tilt.	Pass
9	8.5.9	Torsional stability test	Ladders moving distance $\leq 1$ inch , permanent deformation $\leq 1/8$ inch.	0mm/0mm	Pass
10	8.5.10.1	Racking test	The maximum lateral displacement $\leq 236.22\text{mm}$	73mm	Pass
11	8.5.11.1	Front rail static cantilever bending test	Permanent deformation $\leq 1/4$ inch	0mm/0mm	Pass
12	8.5.11.2	Rear rail static cantilever bending test	Permanent deformation $\leq 1/4$ inch	1mm/0mm	Pass
13	8.5.11.3	Front and rear static dynamic drop test	Permanent deformation $\leq 1/4$ inch	0mm	Pass
14	8.5.12	Rail torsion and spreader test	No damage after carried 125 lbs.	No damage.	Pass
15	8.5.13	Stepladder slip test	Ladder moving distance $\leq 1/4$ inch.	0mm	Pass
16	8.7.3	Cyclic horizontal bending test	No any evidence of test failure after exposed to 10,000 cycles.	No damage.	Pass
Remarks		1 foot=304.8 mm 1 inch=25.4mm 1/8 inch=3.175mm 1/4 inch=6.4mm			

**Abbreviation** P=pass F=fail NT=not tested NC=not conducted as request of the client  
 NA=not applicable NI=not included the scope of the accreditation CNAS

## Testing Center of Tianjin Jinmao Group CO.,Ltd

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<b>Sample Photo</b>	<b>Report No.:</b> WJMJC-17-09-004
	<b>Sample Name:</b> Reinforced Plastic Step Ladder (G3004)
	
<b>Remarks</b>	

End of Report