

TESTING
CNAS L5272

TESTING REPORT

APPLICANT : GAZELLE INDUSTRIAL CO.

SAMPLE NAME : Reinforced Plastic Step Ladder

SPEC. : G3012

ROTED LOAD : 300 lbs

DUTY RATING : Extra Heavy-Duty

TEST CATEGORY : Commissioned testing

REPORT No. : WJMJC-17-09-003

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

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Testing Center of Tianjin Jinmao Group CO.,Ltd


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Report No: WJMJC-17-09-003

Sample's Name	Reinforced Plastic Step Ladder (G3012)		Sample Number	WJMJC-17-09-003	
Applicant	GAZELLE INDUSTRIAL CO.		Origins of the samples	Commissioned Testing	
Applicant Address	DUBAI INVESTMENT PARK 1, OPP. GREEN COMMUNITY WEST ST. 43 COMMUNITY 598, DUBAI, UAE				
Number of samples	1 PC	Sample state	Looks good, no damage	Commissioned by date	18.09.2017
Test environment	Temperature:29°C , Humidity:58%RH				
Main testing Equipment	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)				
Detection Based on	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				
Test Items	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				
Conclusions	<div style="text-align: center;">  </div> <p>Test result(s) please refer to the following page(s) Inspection company (signature) Date:20.09.2017</p>				
Remarks					

Formulated by: Liu 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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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 $L_1=696\text{mm}$, $f_1 \leq 6.96\text{mm}$ Length of step $L_2=622\text{mm}$, $f_2 \leq 6.22\text{mm}$	$f_1=0.75\text{mm}$ $f_2=0.60\text{mm}$	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 ≤ 1 inch , permanent deformation $\leq 1/8$ inch.	2mm/0mm	Pass
10	8.5.10.1	Racking test	The maximum lateral displacement $\leq 510.54\text{mm}$	304mm	Pass
11	8.5.11.1	Front rail static cantilever bending test	Permanent deformation $\leq 1/4$ inch	1mm/1mm	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

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Sample Photo	Report No.: WJMJC-17-09-003
	Sample Name: Reinforced Plastic Step Ladder (G3012)
	
Remarks	

End of Report