

Test Report

No.: GZHL1805020392LD

Date: Jul 09, 2018

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GMG GROUP
NO. 726, DONGFENG ROAD EAST, 510080 GUANGZHOU, CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : GRP SWINGBACK STEPLADDER
GRP PLATFORM STEPLADDER

Style / Item No. : BP04T,BP05T,BP06T,BP07T,BP08T,BP10T
PF04T,PF05T,PF06T,PF07T,PF08T,PF10T

Buyer : LADDER AND FENCING INDUSTRIES LTD.

Manufacturer : TOPRIGHT LADDER

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : May 18, 2018

Test Performing Date : May 18, 2018 to Jul 06, 2018

Test Result(s) :

Test Requested	Result
EN 131-1:2015	Pass
EN 131-2:2010+A2:2017 excluding clause 5.16.2 & 5.16.3 & 6	Pass

Signed for and on behalf of
Guangzhou Branch,
SGS-CSTC Ltd.

Arthur Mak
Approved Signatory



SGS-CSTC Inspection & Testing Services Co., Ltd.
Guangzhou Branch Testing Center Hierolines

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Test Conducted: Based on

EN 131: Part 1:2015 Ladders – Terms, types, functional sizes
EN 131: Part 2:2010+A2:2017 Ladders – Requirements, testing, marking

1. Scope:

This standard specifies the general design features, requirements and test methods for portable ladders. It does not apply to step stools or ladders for specific professional use such as fire brigade ladders roof ladders and mobile ladders. It does not apply to ladders used for work on or near live electrical systems or installations. In the working position all ladders are determined for a maximum static vertical load of 150kg. Ladders are to be used by one person only per ascending leg of ladder.

Client claim maximum permissible load: 150 Kg

- 2. Ladder Type:** Standing step Ladder / Standing step ladder with platform
- 3. Grade of ladder:** Professional ladder
- 4. Number of tested sample:** 1 piece per type; 12 Types
- 5. Test result: (details shown as following tables)**

Table 1: Test Result of EN 131 Part 1: 2015

Clause	Test item	Result
4 Function sizes		
4.1	General	--
4.2	Leaning rung ladders	NA
4.3	Standing rung ladders	NA
4.4	Combination ladders	NA
4.5	Leaning step ladders	NA
4.6	Standing step ladders	Pass
4.7	Standing rung and step ladder	NA

Table 2: Test Result of EN 131 Part 2:2010+A2:2017

Clause	Test item	Result
4 Requirements		
4.1	General	--
4.2	Materials	Pass
4.3	Design	Pass
4.4	Surface finish	Pass
4.5	Hinges	Pass
4.6	Opening restraints	Pass



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Clause	Test item	Result
4.7	Rungs/steps/platforms	Pass
4.8	Platform	Pass
4.9	Antiskid devices	Pass
4.10	Extending ladders and sectional ladders	NA
5 Testing		
5.1	General	--
5.2	Strength test of stiles	Pass
5.3	Bending test of the stiles	Pass
5.4	Lateral deflection test of the ladder	Pass
5.5	Bottom stile ends test	Pass
5.6	Vertical load on rungs, steps and platforms	Pass
5.7	Torsion test of rungs and steps	Pass
5.8	Test of opening restraints and hinges of standing ladders	Pass
5.9	Test for ladder rung/step hooks of extending ladders and combination ladders	NA
5.10	Kick-up test of the platform of standing ladders	Pass
5.11	Feet pull test	Pass
5.12	Test on hand-/kneerails	Pass
5.13	Maximum extension of ladder	NA
5.14	3-part combination ladder in A-position test	NA
5.15	Torsion on ladder length	Pass
5.16 Test methods for plastic ladders		
5.16.1	Thermoset plastics and composite materials	NA
5.16.2	Reinforced thermoplastics	NT
5.16.3	Dielectric test	NT
5.17	Durability test for standing ladders	Pass
5.18	Base slip test for leaning ladder	NA



5.19	Strength test for lateral type stabilizers on leaning ladders which are in the plane of the ladder	NA
Clause	Test item	Result
5.20	Strength test for pole type stabilizers on leaning ladders which are not in the plane of the ladder	NA
5.21	Torsion test for leaning ladder	NA
6 Marking and user instructions		
6	Marking and user instructions	NT

Remark:

1. NA = Not applicable.
2. NT = Not tested as per client's requirement.

Sample Photo(s):



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Sample as received



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Sample as received



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End of Report

