

Test Report

No.: AJHL1706002743FT

Date: JUN 28, 2017

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ZHEJIANG SUNON FURNITURE MANUFACTURE CO. LTD

NO.35 NINGDONG ROAD XIAOSHAN ECO & TEC ZONE HANGZHOU CHINA

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

Sample Description	CMG (CMG16GS)
Style / Item No.	CMG16GS
Manufacturer Name	SHENGZHAO
Sample Receiving Date	JUN 12, 2017
Test Performing Date	JUN 12, 2017 TO JUN 28, 2017

Test Result Summary	
Test(s) Requested	Result(s)
ANSI/BIFMA X5.1-2011, Clause 8, 11, 12.4, 18, 19, 20	PASS
Summary: 1. For further details, please refer to the following page(s)	

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



David Fan
Approved Signatory



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Test Conducted: ANSI/BIFMA X5.1 -2011 General-Purpose office chairs -Tests
Test Result:

Test Item	Test Principle & Requirement	Test Result
Drop Test-Dynamic (Functional Load) (Clause 8)	There shall be no loss of serviceability when a 102kg (225lb.) weight free falls from 152mm (6in.) height to the center of the seat one time (for the seat height is adjustable, test one time in its highest position then one time in its lowest position).	PASS
Drop Test Dynamic (Proof Load) (Clause 8)	There shall be no sudden and major change in the structural integrity (loss of serviceability is acceptable) when a 136kg (300lb.) weight free falls from 152mm(6in.) height to the center of the seat one time (for the seat height is adjustable, test one time in its highest position then one time in its lowest position).	PASS
Seating Durability Tests - Cyclic (Impact Test) (Clause 11.3)	There shall be no loss of serviceability after a 57kg (125lbs.) weight free falls onto the seat from 30mm (1.2in.) height for 100,000 cycles.	PASS
Seating Durability Tests - Cyclic (Front Corner Load - Ease Test - Cyclic - Off-center) (Clause 11.4)	There shall be no loss of serviceability after loading two seat front corner with 734N (165lbf.) for 20,000 cycles respectively.	PASS
Front Stability (Clause 12.4)	The chair shall not tip over when applying a horizontal outward force of 20N (4.5lbf.) from the seat with a vertical load of 600N (135lbf.) at a point 60mm (2.4in.) from the front center edge of the load bearing surface of the seat.	PASS
Leg Strength Test (Front Load Test) (Functional Load) (Clause 18.3)	There shall be no loss of serviceability when a horizontal rearward force of 334N (75lbf.) is applied inward to each front leg individually for 1 minute.	PASS
Leg Strength Test (Front Load Test) (Proof Load) (Clause 18.3)	There shall be no sudden and major change in the structural integrity (loss of serviceability is acceptable) when a horizontal rearward force of 503N (113lbf.) is applied inward to each front leg individually for 1 minute.	PASS
Leg Strength Test (Side Load Test) (Functional Load) (Clause 18.4)	There shall be no loss of serviceability when a horizontal sideward force of 334N (75lbf.) is applied inward to each front and rear leg individually for 1 minute.	PASS
Leg Strength Test (Side Load Test) (Proof Load) (Clause 18.4)	There shall be no sudden and major change in the structural integrity (loss of serviceability is acceptable) when a horizontal sideward force of 503N (113lbf.) is applied inward to each front and rear leg individually for 1 minute.	PASS
Footrest Static Load Test - Vertical (Functional Load) (Clause 19)	There shall be no loss of serviceability or sudden loss of footrest height when applying two vertical forces of 445N (100lbf.) opposite to footrest for 1 minute firstly, then increase one force to 890N (200lbf.) for 1 minute.	PASS
Footrest Static Load Test - Vertical (Proof Load) (Clause 19)	There shall be no sudden and major change in the structural integrity (loss of serviceability is acceptable) when applying a vertical force of 1334N (300lbf.) to footrest for 1 minute.	PASS



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Test Item	Test Principle & Requirement	Test Result
Footrest Durability Test (Clause 20)	There shall be no loss of serviceability (adjustable footrests that move more than 25mm (1in.) in the first 500 cycles shall be considered to have lost their serviceability) after a force of 890N (200lbf.) is applied vertically on the footrest for 50,000 cycles.	PASS

Remark:

1. Type of chair:

Type III-fixed seat angle, fixed backrest: a chair that provides a fixed seat angle with a fixed backrest.

Photo Appendix



Sample as received - View 1



Sample as received - View 2



Sample as received - View 3



Sample as received - View 4

SGS authenticate the photo on original report only

End of Report



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