

Test Report

No.: SDHL1804006586FT

Date: Apr.27, 2018

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ZHONG SHAN SHI SONGLIN FURNITURE CO. LTD
 B BLOCK, JINLI INDUSTRIAL ZONEMSANXING ROAD, SANJIAO TOWN,
 ZHONGSHAN CITY, GUANGDONG PROV., CHINA 528400

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

Sample Description : OFFICE CHAIR
 Supplier Item No. : SL-S5 BACK
 Manufacturer : ZHONG SHAN SHI SONGLIN FURNITURE CO. LTD
 Sample Receiving Date : Apr.10, 2018
 Test Performing Date : Apr.10, 2018 to Apr.27, 2018

Test Result Summary

Test(s) Requested	Result(s)
Clause 5, 6, 14 and 15 of ANSI/BIFMA X5.1-2017 (Type I, III)	PASS

Summary:

1. For further details, please refer to the following page(s).

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

Hary Nie
 Approved signatory



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SGS-CSTC Inspection & Testing Services Co., Ltd.
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TESTS AND RESULTS

Test Conducted:

Clause 5, 6, 14 and 15 of ANSI/BIFMA X5.1-2017 General-Purpose Office Chairs – Tests.

No. of Sample:

3 pieces (Sample 1, 2 & 3). For more sample information and pictures, please refer to the following page.

Chair Type: Type I, III.

Test and Requirements	Test Results
5 Backrest Strength Test - Static - Type I and II	
5.4.1 Functional Load There shall be no loss of serviceability to the chair when 667 N (150 lbf.) is applied to the backrest at the specified position for one (1) minute. With the backrest at its back stop position, apply a force that is initially 70 degrees ± 10 degrees to the plane of the backrest. The force is not intended to be maintained at 70 degrees ± 10 degrees throughout the loading of the backrest.	PASS
5.4.2 Proof Load There shall be no sudden and major change in the structural integrity of the chair, loss of serviceability is acceptable, when 1001 N (225 lbf.) is applied to the backrest at the specified position for one (1) minute. With the backrest at its back stop position, apply a force that is initially 70 degrees ± 10 degrees to the plane of the backrest. The force is not intended to be maintained at 70 degrees ± 10 degrees throughout the loading of the backrest.	PASS
6 Backrest Strength Test - Static - Type III	
6.4.1 Functional Load There shall be no loss of serviceability to the chair when 667 N (150 lbf.) is applied to the backrest at the specified position for one (1) minute. With the backrest at its back stop position, apply a force that is initially 90 degrees ± 10 degrees to the plane of the backrest. The force is not intended to be maintained at 90 degrees ± 10 degrees throughout the loading of the backrest.	PASS
6.4.2 Proof Load There shall be no sudden and major change in the structural integrity of the chair, loss of serviceability is acceptable, when 1001 N (225 lbf.) is applied to the backrest at the specified position for one (1) minute. With the backrest at its back stop position, apply a force that is initially 90 degrees ± 10 degrees to the plane of the backrest. The force is not intended to be maintained at 90 degrees ± 10 degrees throughout the loading of the backrest.	PASS



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Test and Requirements	Test Results
<p>14 Backrest Durability Test - Cyclic - Type I A weight of 109 kg (240 lb.) shall be secured in the center of the seat. Apply a 445 N (100 lbf.) total force to the backrest at the specified position at a rate between 10 and 30 cycles per minute. For chairs with backrest widths less than or equal to 406 mm (16 in.) at the height of the loading point, apply the load to the backrest for 120,000 cycles. For chairs with backrest widths greater than 406 mm (16 in.) at the height of the loading point, apply the load to the backrest for 80,000 cycles + 20,000 cycles at the position 102 mm (4 in.) to the right of the vertical centerline + 20,000 cycles at the position 102 mm (4 in.) to the left of the vertical centerline. There shall be no loss of serviceability. <i>Note: With the backrest at its back stop position, apply a force that is initially 90 degrees ± 10 degrees to the plane of the backrest. The force is not intended to be maintained at 90 degrees ± 10 degrees throughout the loading of the backrest.</i></p>	<p>PASS</p>
<p>15 Backrest Durability Test - Cyclic - Type II and III A weight of 109 kg (240 lb.) shall be secured in the center of the seat. Apply a 334 N (75 lbf.) total force to the backrest at the specified position at a rate between 10 and 30 cycles per minute. For chairs with backrest widths less than or equal to 406 mm (16 in.) at the height of the loading point, apply the load to the backrest for 120,000 cycles. For chairs with backrest widths greater than 406 mm (16 in.) at the height of the loading point, apply the load to the backrest for 80,000 cycles + 20,000 cycles at the position 102 mm (4 in.) to the right of the vertical centerline + 20,000 cycles at the position 102 mm (4 in.) to the left of the vertical centerline. There shall be no loss of serviceability. <i>Note: With the backrest at its back stop position, apply a force that is initially 90 degrees ± 10 degrees to the plane of the backrest. The force is not intended to be maintained at 90 degrees ± 10 degrees throughout the loading of the backrest.</i></p>	<p>PASS</p>

Remark:

- For the sample information and pictures, please refer to the following page.



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SAMPLE INFORMATION AND PICTURES

Weight: 17.80 kg

Overall Dimensions: 730 mm L x 697 mm W x 1072~1160 mm H

Other Dimensions: /

Sample as Received



End of Report

