

**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 Four fronth our plate its inclusion under the table following in success(s)		

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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#### **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	PASS			
stop position, apply a force that is initially 70 degrees $\pm$ 10 degrees to the plane of the	1766			
backrest. The force is not intended to be maintained at 70 degrees ± 10 degrees				
throughout the loading of the backrest.				
5.4.2 Proof Load				
I here 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	5400			
specified position for one (1) minute. With the backrest at its back stop position, apply a	PASS			
force that is initially 70 degrees $\pm$ 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				
Ine Dackrest.				
6 Backrest Strength Test - Static - Type III				
I here 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	PASS			
stop position, apply a force that is initially 90 degrees $\pm$ 10 degrees to the plane of the				
backrest. The force is not interficed to be maintained at 90 degrees $\pm$ 10 degrees				
6 4 2 Proof Load				
<b>U.4.2 FIGUI LOOU</b> There shall be be sudden and major change in the structural integrity of the chair loss				
of services bility is acceptable, when 1001 N (225 lbf) is applied to the backrost at the				
specified position for one (1) minute. With the backrest at its back stop position, apply a	PASS			
force that is initially 90 degrees + 10 degrees to the plane of the backrest. The force is	1766			
not intended to be maintained at 90 degrees $\pm$ 10 degrees throughout the loading of				
the backrest.				



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Test and Requirements	Test Results
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.	PASS
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.	
I here shall be no loss of serviceability.	
Note: With the backrest at its back stop position, apply a force that is initially 90	
degrees $\pm$ 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.	
15 Backrest Durability Test - Cyclic - Type II and III A weight of 100 kg (240 lb ) shall be accurred in the center of the cost. Apply a 224 N	
A weight of 109 kg (240 lb.) shall be secured in the center of the seat. Apply a 334 N	
(75 lol.) total force to the backrest at the specified position at a fate between 10 and 50 oveloc per minute.	
Even chairs with backrost widths loss than or equal to 406 mm (16 in ) at the beight of	
the leading point, apply the lead to the backrost for 120,000 cycles	
For chairs with backrost widths greater than 406 mm (16 in ) at the beight of the	
loading point, apply the load to the backrest for 80 000 cycles $\pm$ 20 000 cycles at the	PASS
position 102 mm (4 in ) to the right of the vertical centerline $\pm 20,000$ cycles at the	
position 102 mm (4 in ) to the left of the vertical centerline	
There shall be no loss of serviceability.	
Note: With the backrest at its back stop position, apply a force that is initially 90	
degrees $\pm$ 10 degrees to the plane of the backrest. The force is not intended to be	
maintained at 90 degrees $\pm$ 10 degrees throughout the loading of the backrest.	

#### Remark:

1. 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\*\*\*



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