

## Test Report

No.: SDHG1509016261FT

Date: Oct.21, 2015

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FO SHAN NANHAI HAOFU HARDWARE FURNITURE FITTINGS CO., LTD  
XIBIAN TANG INDUSTRIAL ZONE, XIAN VILLAGE, DANZAO TOWN, NANHAI, FOSHAN, GUANGDONG, CHINA

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

Sample Description : SWIVELING CHAIR MULTIFUNCTION MECHANISM  
Buyer Item No. : HF003  
Sample Receiving Date : Sep.29, 2015  
Test Performing Date : Sep.29, 2015 to Oct.21, 2015

### Test Result Summary

Test(s) Requested	Result(s)
Clause 6 & 10 of ANSI/BIFMA X5.1:2011	PASS

#### Summary:

1. The overall rating of the component tilt mechanism was based on those tests conducted on the matched assembly supplied by lab.
2. For further details, please refer to the following page(s).

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

*13 in*

Bill Wang  
Approved signatory



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**TESTS AND RESULTS**
**Test Conducted:**

Clause 6 & 10 of ANSI/BIFMA X5.1:2011 General-Purpose Office Chairs – Tests.

**General Test Condition:**

The following test program was conducted in a laboratory environment maintained at 15°C to 25°C and 50%±5 RH. The sample was individually tested after conditioning in the test environment for at least 24 hours prior to conducting the test.

The complete detailed procedures may be found in the referenced specification and are only summarized herein.

**No. of Sample:**

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

**Chair Type:** Type I, III. For the classification of types, please refer to Annex A.

Test	Test Description and Requirements	Test Results
<b>6</b>	<b>Backrest Strength Test - Static - Type II &amp; III</b>	
6.4.1	<b>Functional Load</b> 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	<b>Proof Load</b> There shall be no sudden and major change in the structural integrity of the chair, loss of serviceability is acceptable, when 1112 N (250 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
10	<b>Tilt Mechanism Test – Cyclic</b> There shall be no loss of serviceability to the tilt mechanism after 300,000cycles at a rate between 10 and 30 cycles per minute under a 102kg (225lbs.) load to the center of the seat. <i>Note: This test shall be performed on Type I and Type II chairs with tilting backrests.</i>	PASS

**Annex A: Classification of Chair Types**

- **Type I. Tilting chair:** A chair with a seat that tilts with a counterbalancing force. Chairs of this type are typically referred to as synchro-tilt, center-tilt, knee-tilt.
- **Type II. Fixed seat angle, tilting backrest:** A chair that provides a fixed seat angle with a tilting backrest.
- **Type III. Fixed seat angle, fixed backrest:** A chair that provides a fixed seat angle with a fixed backrest. This may include chairs with legs, including sled base chairs.

**Remark:**

1. The overall rating of the component tilt mechanism was based on those tests conducted on the matched assembly supplied by lab.
2. For the sample information and pictures, please refer to the following page.



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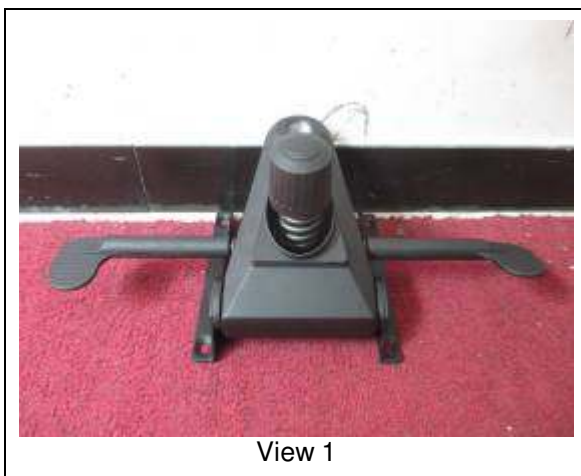
### SAMPLE INFORMATION AND PICTURES

Weight: 3.50 kg

Overall Dimensions: /

Other Dimensions: /

#### Sample as Received



View 1



View 2



View 3



View 4

\*\*\*End of Report\*\*\*