

## Test Report

No.: SDHL1705009765FT

Date: May 24, 2017

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KAIPING HUI YANG METAL FURNITURE CO., LTD  
16 JIN AN ROAD, KAIYUAN INDUSTRIAL PARK, CHANGSHA TOWN, KAIPING, GUANGDONG

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

Sample Description : OFFICE CHAIR  
Buyer Item No. : DS-1101  
Sample Receiving Date : May 18, 2017  
Test Performing Date : May 18, 2017 to May 24, 2017

### Test Result Summary

Test(s) Requested	Result(s)
Backrest strength test - static - type III, drop test - dynamic and base test of ANSI/BIFMA X5.1-2017	PASS
<b>Summary:</b>	
1. For further details, please refer to the following page(s).	

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



Caming Fan  
Approved signatory



SGS-CSTC Inspection & Testing Services Co., Ltd.  
Shunde Branch Harbin

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**TESTS AND RESULTS**

**Test Conducted:**

Backrest strength test - static - type III, drop test - dynamic and base test of ANSI/BIFMA X5.1-2017 General-Purpose Office Chairs – Tests.

**No. of Sample:**

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

Test and Requirements	Test Results
<b>6 Backrest Strength Test - Static - Type III</b>	
<b>6.4.1 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
<b>6.4.2 Proof Load</b> 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
<b>7 Drop Test - Dynamic</b>	
<b>7.4.1 Functional Load Test</b> There shall be no loss of serviceability when a test bag weighing 102 kg (225 lb.) is free fell from 152 mm (6 in.) above the uncompressed seat to the specified position on seat. Remove the bag, and set height to its lowest position and repeat the test for chairs with seat height adjustment features.	PASS
<b>7.4.2 Proof Load Test</b> There shall be no sudden and major change in the structural integrity of the chair. Loss of serviceability is acceptable when a test bag weighing 136 kg (300 lb.) is free fell from 152 mm (6 in.) above the uncompressed seat to the specified position on seat. Remove the bag, and set height to its lowest position and repeat the test for chairs with seat height adjustment features.	PASS
<b>Appendix C Base Test – Static</b> There shall be no sudden and major change in the structural integrity of the base. The center column may not touch the test platform during the load applications when a force of 11,120 N (2500 lbf.) is applied to the vertical support column, or test fixture that simulates the taper/base interface for one (1) minute. Remove the force, and then apply a second force of 11,120 N (2500 lbf.) for one (1) minute.	PASS

**Remark:**

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



SGS-CSTC Standards Technical Services Co., Ltd.  
Shunde Branch Harbin

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**SAMPLE INFORMATION AND PICTURES**

**Weight:** 13.15 kg

**Overall Dimensions:** 710 mm L x 740 mm W x 980~1060 mm H

**Other Dimensions:** Base radius, 350 mm; base weight, 1.85 kg.

**Sample as Received**



View 1



View 2



View 3

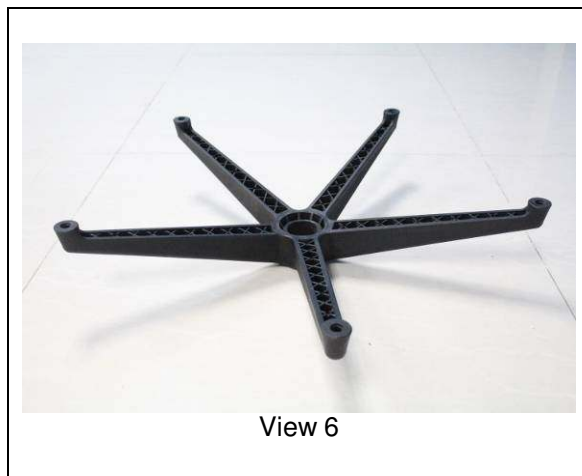


View 4

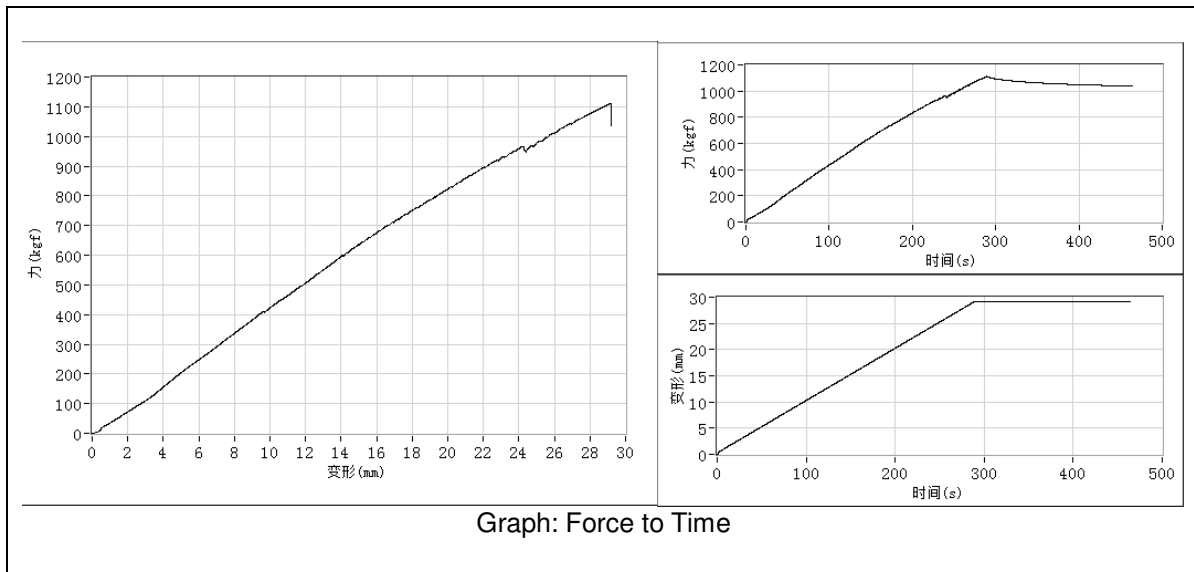


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**Test Pictures with Details**



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



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