

Test Report

No.: SDHL1701000446FT

Date: Jan.12, 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. : DC-72 DC-73
Sample Receiving Date : Jan.10, 2017
Test Performing Date : Jan.10, 2017 to Jan.12, 2017

Test Result Summary

Test(s) Requested	Result(s)
Clause 6, 7 & 8 of ANSI/BIFMA X5.1:2011 (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.



Bill Wang
Approved signatory



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

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TESTS AND RESULTS

Test Conducted:

Clause 6, 7 & 8 of ANSI/BIFMA X5.1:2011 General-Purpose Office Chairs – Tests.

No. of Sample:

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

Chair Type: Type I, III.

Test and Requirements	Test Results
6 Backrest Strength Test - Static - Type II & 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 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
7 Base Test – Static 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
8 Drop Test - Dynamic	
8.4.1 Functional Load Test 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
8.4.2 Proof Load Test 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

Remark:

- For the sample information and pictures, please refer to the following page.
- According to client's statements, the Buyer Item No. as stated on the first page are identical to test sample.



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

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SAMPLE INFORMATION AND PICTURES

Weight: 17.50 kg

Overall Dimensions: 660 mm L x 645 mm W x 1170~1250 mm H

Other Dimensions: Base radius, 310 mm; base weight, 2.45 kg.

Sample as Received



View 1



View 2



View 3



View 4



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

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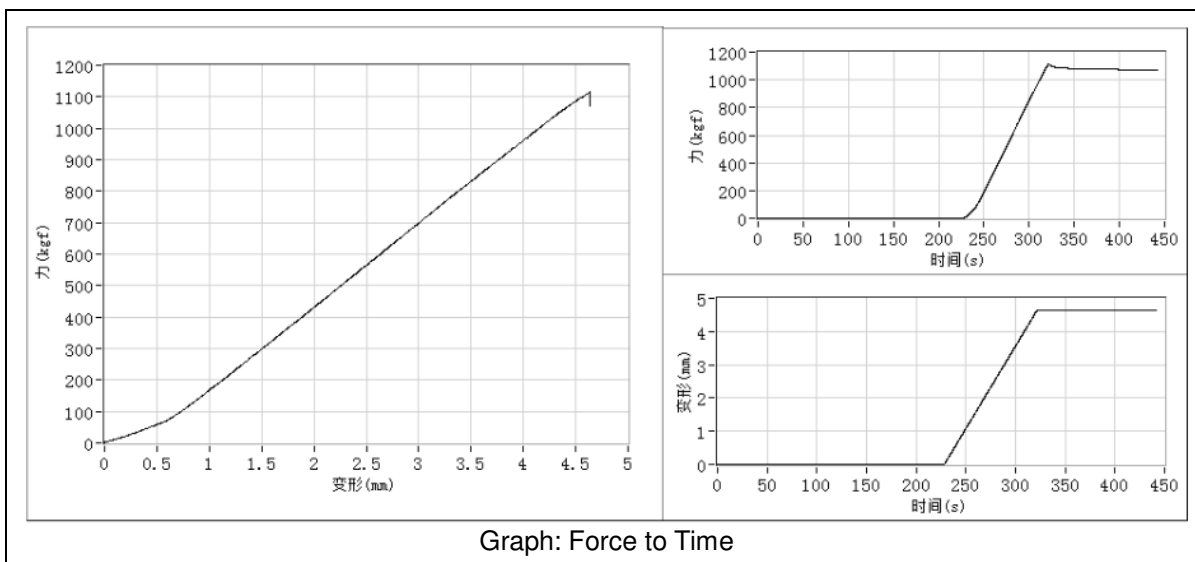


View 5



View 6

Test Pictures with Details



Graph: Force to Time

End of Report

