

## Test Report

No.: SDHL1803004037FT

Date: Mar.23, 2018

Page 1 of 5

FOSHAN HUIYU FURNITURE CO., LTD  
NO.18 QIAOGAO ROAD, HAIZHOU ZONE, XIQIAO TOWN, NANHAI AREA,  
FOSHAN CITY, GUANGDONG PROVINCE, CHINA

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

Sample Description : ERGONOMIC CHAIR  
Sample Receiving Date : Mar.12, 2018  
Test Performing Date : Mar.12, 2018 to Mar.23, 2018

### Test Result Summary

Test(s) Requested	Result(s)
Clause 6, 7 and 12 of ANSI/BIFMA X5.1-2017	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



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

1/F, 1<sup>st</sup> Building European Industrial Park, No.1 Shunde South Road, Wusha Section, Daliang Town, Shunde, Foshan, Guangdong, China 528333 t (86-757)22805888 f (86-757)22805858 www.sgs.com.cn  
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号楼首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

### TESTS AND RESULTS

#### Test Conducted:

Clause 6, 7 and 12 of ANSI/BIFMA X5.1-2017 General-Purpose Office Chairs – Tests.

#### No. of Sample:

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

Chair Type: Type I & III.

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 $\pm$ 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.	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 $\pm$ 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.	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>12 Arm Strength Test - Vertical - Static</b>	
<b>12.4.1 Functional Load</b> Apply an initially vertical pull force of 750N (169lbs.) to the load adapter which is 127 mm (5 in.) long and at least as wide as the width of the arm shall be attached to the top of the arm rest structure such that the load will be applied at the apparent weakest point that is forward of the chair backrest, for one (1) minute. There shall be no loss of serviceability. For a height adjustable arm, failure to hold its height adjustment position to within 6 mm (0.25 in.) from its original set position as the result of the loading is considered a loss of serviceability.	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CTC (Shunde) Technical Services Co., Ltd.  
Shunde Branch Harimex

1/F, Building European Industrial Park, No.1 Shunhe South Road, Wusha Section, Dailing Town, Shunde, Foshan, Guangdong, China 528333 t (86-757)22805888 f (86-757)22805858 www.sgs.com.cn  
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号楼首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Test and Requirements	Test Results
<p><b>12.4.2 Proof Load</b></p> <p>Apply an initially vertical pull force of 1125N (253 lbs.) to the load adapter which is 127 mm (5 in.) long and at least as wide as the width of the arm shall be attached to the top of the arm rest structure such that the load will be applied at the apparent weakest point that is forward of the chair backrest, for 15 seconds.</p> <p>There shall be no sudden and major change in the structural integrity of the chair. For a height adjustable arm, a sudden drop in height of greater than 25 mm (1 in.) does not meet this requirement. Loss of serviceability is acceptable.</p>	PASS

### Remark:

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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

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

1/F, 1<sup>st</sup> Building European Industrial Park, No.1 Shunhe South Road, Wusha Section, Daliang Town, Shunde, Foshan, Guangdong, China 528333 t (86-757)22805888 f (86-757)22805858 www.sgs.com.cn  
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号楼首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

### SAMPLE INFORMATION AND PICTURES

**Weight:** 18.85 kg

**Overall Dimensions:** 740 mm L x 705 mm W x 1013~1093 mm H

**Other Dimensions:** Base radius: 350 mm; base weight: 1.75 kg.

#### Sample as Received



View 1



View 2



View 3



View 4







View 5 Conducted the back strength test – static on this chair according to applicant's requirement.



View 6 Conducted the back strength test – static on this chair according to applicant's requirement.



View 7 Conducted the back strength test – static on this chair according to applicant's requirement.



View 8 Conducted the back strength test – static on this chair according to applicant's requirement.



View 9



View 10

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

