

## Test Report

No.: SDHGR110701167FT

Date: Jul 29, 2011

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ZHOHN SHAN SHI SONGLIN FURNITURE CO., LTD  
B BLOCK, JINLI INDUSTRIAL ZONE, SANXING 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
Style / Item No.	: SL-E3, SL-D3, SL-D2, SL-E2
Manufacture	: ZHOHN SHAN SHI SONGLIN FURNITURE CO., LTD
Country of Origin	: USA
Test Performed	: Clause 5, 6, 10, 11.3, 15 and 16 of ANSI/BIFMA X5.1 -2011 General – Purpose Office Chair – Tests, American National Standard for Office Furniture.
Sample Receiving Date	: Jul 12, 2011
Test Performing Date	: Jul 12, 2011 to Jul 29, 2011
Test Result(s)	: For further details, please refer to the following page(s)
Comments / Conclusion	: PASS

The Submitted sample met the requirements Clause 5, 6, 10, 11.3, 15 and 16 of ANSI/BIFMA X5.1 -2011

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



Jack Yao  
Approved signatory

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Guangzhou Branch | 中国·广东·佛山市顺德区大良街道办事处五沙路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)

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Test Conducted: Clause 5, 6, 10, 11.3, 15 and 16 of ANSI/BIFMA X5.1 -2011 General –Purpose Office Chair – Tests, American National Standard for Office Furniture.

Type of chair: Type I & Type III

Test Items	Test Methods & Requirements	Test Results
Back Strength Test - Static - Type I – Clause 5.4 (Functional Load)	I No structural breakage or loss of serviceability when 200 lb (890 N) is applied for 1 min. applied to 90° from back at 16 in above the seat. If the back is less than 17.8 In, the load is applied at the top of the back.	PASS
Back Strength Test - Static - Type I – Clause 5.4 (Proof Load)	No sudden and major change in the structural integrity (Loss of serviceability is acceptable) when 300 lb (1334 N) is applied for 1 min. applied to 90° from back at 16 in above the seat. If the back is less than 17.8 in, The load is applied at the top of the back.	PASS
Back Strength Test - Static - Type II & III - Functional Load Clause 6.4.1	No loss of serviceability when 150 lb (667 N) is applied for 1 min. applied to 90° from back at 16 in above the seat. If the back is less than 17.8 In, the load is applied at the top of the back.	PASS
Back Strength Test - Static - Type II & III - Proof Load 6.4.2	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 1112N (250lbs.) is applied for 1 min. Applied 90° to the back at 16in. above the seat.	PASS
Tilt Mechanism Test – Cyclic – Type I & II Clause 10	No loss of serviceability after 300,000cycles under a 102kg (225lbs.) load to the center of the seat	PASS
Impact Test – Cyclic Clause 11.3	No loss of serviceability in 100,000cycles impact. A weight of 57kg (125lbs.) free falls onto the seat from 1.2 in. height.	PASS
Back Durability Test – Cyclic – Type I Clause 15	No loss of serviceability in 120,000 cycles with a 102kg (225lbs.) in the center of the seat and a 445N (100lbf.) 90° to the center of the chair back. For chairs with a back width greater than 406mm (16in.), test at the center of chair back for 80,000cycles and then 102mm (4in.) off-center 40,000 cycles, half to each side.	PASS
Back Durability Test – Cyclic – Type II & III Clause 16	No loss of serviceability in 120,000 cycles with a 102kg (225lbs.) in the center of the seat and a 334N (75lbf.) 90° to the center of the chair back. For chairs with a back width greater than 406mm (16in.), test at the center of chair back for 80,000cycles and then 102mm (4in.) off-center 40,000 cycles, half to each side.	PASS

### Remark:

#### 1) Sample details:

Overall dimensions:	810mm x 625mm x 1000mm
Weight	19.1kg

#### 2) Type of chair:

Type I – tilt chair: a chair with a seat tilts with a counterbalancing force;

Type II – fixed seat angle, tilting backrest: a chair that provides a fixed angle with a tilting backrest;

Type III – fixed seat angle, fixed backrest: a chair that provides a fixed seat angle with a fixed backrest;

To be continued...

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SGS-CSI Standards Technical Services Co., Ltd. 15/F Building European Industrial Park, No.1 Shunfeng Road, Wusheng Subdistrict, Jiangmen City, Guangdong Province, China 528333 t: (86-757)22805888 f: (86-757)22805858 www.cn.sgs.com  
 中国·广东·佛山市顺德区大良街道办事处五沙路和新路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)

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### Photo Appendix



Sample as received – View 1



Sample as received – View 2

### Remark:

The applicant states products entitled as following style/item no. SL-E3, SL-D3, SL-D2, SL-E2 are claimed to be identical.

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

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SDHG

SGS-CSH Holdings Technical Services Co., Ltd.  
Guangzhou Branch

1/F, Building European Industrial Park, No. 1 Shunfeng Road, Wusheng Subdistrict, Jialing Town, Shunde District, Guangdong, China

528333

t: (86-757)22805888

f: (86-757)22805858

[www.cn.sgs.com](http://www.cn.sgs.com)

中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t: (86-757)22805888 f: (86-757)22805858 e: [sgs.china@sgs.com](mailto:sgs.china@sgs.com)