

## Test Report

No.: SDHL1909017525FT

Date: Oct.08, 2019

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FOSHAN ZHONG MENG SHENG YE FURNITURE CO., LTD  
 NO.6, GAOJIAO NANFANG INDUSTRIAL DISTRICT, LONGJIANG TOWN,  
 SHUNDE AREA, FOSHAN CITY, GUANGDONG PROVINCE, CHINA.

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

Sample Description : OFFICE CHAIR  
 Supplier Item No. : ARMREST FOR ZM-733B/ZM-833B/ZM-433B/ZM-233B  
 Manufacturer : FOSHAN ZHONG MENG SHENG YE FURNITURE CO., LTD  
 Supplier : FOSHAN ZHONG MENG SHENG YE FURNITURE CO., LTD  
 Country of Destination : USA  
 Sample Receiving Date : Sep.25, 2019  
 Test Performing Date : Sep.26, 2019 to Oct.08, 2019

### Test Result Summary

Test(s) Requested	Result(s)
Arm Strength Test - Vertical - Static and Arm Strength Test - Horizontal - Static of ANSI/BIFMA X5.1-2017 (Type I, III)	PASS

#### Summary:

- 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



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

1/F, 1<sup>st</sup> Building, European Industrial Park, No.1 Shunhe South Road, Wusha Section, Daliang Town, Shunde, 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

**TESTS AND RESULTS**

**Test Conducted:**

Arm Strength Test - Vertical - Static and Arm Strength Test - Horizontal - Static of ANSI/BIFMA X5.1-2017 General-Purpose Office Chairs – Tests.

**No. of Sample:**

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

**Chair Type:** Type I, III.

Test and Requirements	Test Results
<b>12 Arm Strength Test - Vertical - Static</b>	
<p><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.</p>	PASS
<p><b>12.4.2 Proof Load</b> 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. 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
<b>13 Arm Strength Test - Horizontal - Static</b>	
<p><b>13.4.1 Functional Load</b> Apply an initially horizontal pull force of 445 N (100 lbf.) to the load adapter which is a loading device or strap, not greater than 25 mm (1 in.) in horizontal width, shall be attached to the arm so that the load is initially applied horizontally to the armrest structure at the apparent weakest point (for armrests that pivot in the horizontal plane, apply the load at the pivot point), for one (1) minute in the outward direction. A functional load applied once shall cause no loss of serviceability.</p>	PASS
<p><b>13.4.2 Proof Load</b> Apply an initially horizontal pull force of 667 N (150 lbf.) to the load adapter which is a loading device or strap, not greater than 25 mm (1 in.) in horizontal width, shall be attached to the arm so that the load is initially applied horizontally to the armrest structure at the apparent weakest point (for armrests that pivot in the horizontal plane, apply the load at the pivot point), for 15 seconds in the outward direction. A proof load applied once shall cause no sudden and major change in the structural integrity of the unit. Loss of serviceability is acceptable.</p>	PASS

**Remark:**

- The applicant states products entitled as following style/item no. ZM-733B, ZM-833B, ZM-433B and ZM-233B are identical, but only item no. ZM-733B is tested in SGS.
- For the sample information and pictures, please refer to the following page.



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### SAMPLE INFORMATION AND PICTURES

Weight: 14.45 kg

Overall Dimensions: 695 mm D x 720 mm W x 939~1050 mm H

Other Dimensions: Base radius 345 mm

#### Sample as Received



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

