

[REDACTED]  
[REDACTED]  
[REDACTED]

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

Sample Description : AC-26-M 3D ADJUSTABLE ARMREST  
 Style / Item No. : AC-26-M  
 Manufacturer : [REDACTED]  
 Sample Receiving Date : [REDACTED]  
 Test Performing Date : [REDACTED]

### Test Result Summary

Test(s) Requested	Result(s)
Clause 13, 14, 21 of ANSI/BIFMA X5.1:2011	PASS

**Summary:**

- The overall rating of the semi-finished products was based on those tests conducted on the matched assembly supplied by lab.
- For further details, please refer to the following page(s).

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

Bill Wang  
Approved signatory



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**TESTS AND RESULTS**

**Test Conducted:**

Clause 13, 14, 21 of ANSI/BIFMA X5.1:2011 General-Purpose Office Chairs – Tests.

**General Test Condition:**

The following test program was conducted in a laboratory environment maintained at 15°C to 25°C and 50%±5 RH. The sample was individually tested after conditioning in the test environment for at least 24 hours prior to conducting the test.

The complete detailed procedures may be found in the referenced specification and are only summarized herein.

**No. of Sample:**

3 pieces (Sample 1, 2, 3). For more sample information and pictures, please refer to the following page.

Test	Test Description and Requirements	Test Results
<b>13</b>	<b>Arm Strength Test - Vertical - Static</b>	
13.4.1	<p><b>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
13.4.2	<p><b>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 one (1) minute. 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>14</b>	<b>Arm Strength Test - Horizontal - Static</b>	
14.4.1	<p><b>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



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Test	Test Description and Requirements	Test Results
14.4.2	<p><b>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 one (1) minute in the outward direction.</p> <p>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
21	<p><b>Arm Durability Test – Cyclic</b> Simultaneously apply a force of 400 N (90 lbf.) to each arm initially at a 10 degrees ± 1 degree angle. The arm loading device must follow the arm as it deflects or pivots. The force shall be applied and removed for 60,000 cycles at a rate between 10 and 30 cycles per minute. The arm loading device should distribute the load over a length of 100 mm (4 in.) on the arm pad. Center of load shall not be applied more than 25 mm (1.0 in.) in from the inside edge of the arm pad. There shall be no loss of serviceability to the chair.</p>	PASS

**Remark:**

1. In this report, the samples of semi-finished products were tested and assessed base on the matched assembly supplied by lab.
2. For the sample information and pictures, please refer to the following page.



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**SAMPLE INFORMATION AND PICTURES**

Weight: 2.55 kg/pair

Overall Dimensions: /

Other Dimensions: /

**Sample as Received**



View 1



View 2



View 3



View 4

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



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