

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

Sample Description : THE PRIM
 Buyer Item No. : 588
 Supplier Item No. : 588
 Manufacturer :
 Country of Origin : CHINA
 Sample Receiving Date : May 13, 2016
 Test Performing Date : May 13, 2016 to May 25, 2016

Test Result Summary

Test(s) Requested	Result(s)
Partial tests of ANSI/BIFMA X5.1:2011 (Type 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 Standards Technical Services Co., Ltd.
 Shunde Branch

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TESTS AND RESULTS
Test Conducted:

Partial tests of ANSI/BIFMA X5.1:2011 General-Purpose Office Chairs – Tests.

No. of Sample:

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

Chair Type: Type 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 \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
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 \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
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
12 Stability Tests	



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Test and Requirements	Test Results
<p>12.3.1 Rear Stability Test for Type III Chairs</p> <p>Place a support fixture made of a 1.5 mm \pm 0.4 mm (0.060 in. \pm 0.015 in.) thick polypropylene, 356 mm (14 in.) wide and 711 mm (28 in.) tall against the chair back so that it approximates the contour of the back. Load the chair with 6 disks (10 kg each). Place the first disk on the seat so it touches the support fixture. As each disk is added to the stack slide it along the lower disk until it contacts the support fixture. Apply a horizontal force to the highest disk. The location of the force application is 6 mm (0.25 in.) from the top of the disk. For chairs with seat height (as measured at the front of the bottom of the lowest disk when all disks are in the chair) less than 710 mm (28.0 in.), calculate the force as follows:</p> <ul style="list-style-type: none"> • $F = 0.1964 (1195 - H)$ Newton. H is the seat height in mm. • $[F = 1.1 (47 - H)$ pounds force.]. H is the seat height in inches. <p>For chairs with seat height equal to or greater than 710 mm (28.0 in.), a fixed force of 93 N (20.9 lbf.) shall be applied.</p> <p>The chair shall not tip over.</p>	PASS
<p>12.3.2 Rear Stability Test for Type I and II Chairs</p> <p>Place a support fixture made of a 1.5 mm \pm 0.4 mm (0.060 in. \pm 0.015 in.) thick polypropylene, 356 mm (14 in.) wide and 711 mm (28 in.) tall against the chair back so that it approximates the contour of the back. Load the chair with 13 disks. Place the first disk on the seat so it touches the support fixture. As each disk is added to the stack slide it along the lower disk until it contacts the support fixture. If the chair does not tip over and the tilt mechanism does not tilt to its most rearward position (i.e., at its tilt stop) when the disks are placed in the chair, the chair shall also be tested according to 12.3.1 with the chair in the unlocked position.</p> <p>The chair shall not tip over.</p>	N/A
<p>12.4 Front Stability</p> <p><u>Test Procedure - Alternative A</u> (This alternative may only be used on chairs that do not have a seat surface that will support the stability loading fixture (i.e., mesh, web or strap seat support surfaces))</p> <p>Apply a vertical load of 600 N (135 lbf.), through a 200 mm (7.87 in.) diameter disk, the center of which is 60 mm (2.4 in.) from the front center edge of the load-bearing surface of the seat. Apply a horizontal force of 20 N (4.5 lbf.) at the same level of the plane of the top of the seat. The force shall be coincident with the side-to-side centerline of the seat.</p> <p><u>Test Procedure - Alternative B</u></p> <p>Apply a vertical load of 600 N (135 lbf.), by means of the front stability loading fixture at a point 60 mm (2.4 in.) from the front center edge of the load-bearing surface of the chair. Apply a horizontal force of 20 N (4.5 lbf.) at the same level of the plane of the top of the seat. The force shall be coincident with the side-to-side centerline of the seat.</p> <p>The chair shall not tip over as the result of the force application.</p>	PASS



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SAMPLE INFORMATION AND PICTURES

Weight: 5.8 kg

Overall Dimensions: 580 mm L x 545 mm W x 850 mm H

Other Dimensions: /

Sample as Received



View 1



View 2



View 3



View 4



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View 5

End of Report



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