



Test Report

No.: XMHG1502000513FT

Date: Feb. 5, 2015

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

Sample Description : STACKING CHAIR  
 Style / Item No. : 9200/9300  
 Sample Receiving Date : Feb. 2, 2015  
 Test Performing Date : Feb. 2, 2015 to Feb. 5, 2015  
 Test Performed : Selected test(s) as requested by applicant  
 Test Result(s) : For further details, please refer to the following page(s)

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

Sharky Xia  
Approved Signatory



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**Test Report**

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**Test Conducted: Partial tests of ANSI/BIFMA X5.1 -2011 General –Purpose Office Chair – Tests, American National Standard for Office Furniture.**

Test Items	Test Methods & Requirements	Test Results	
		A	B
Back Strength Test - Static - Type II & III Clause 6.4 (Functional Load)	No loss of serviceability when 667N (150lbs.) is applied for 1 min. Applied 90° to the back at 16in. above the seat.	PASS	PASS
Back Strength Test - Static - Type II & III Clause 6.4 (Proof Load)	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	PASS
Drop Test – Dynamic - Clause 8.4 (Functional Load)	No loss of serviceability when 102kg (225lbs.) weight free falls from 6in. height to the center of the seat.	PASS	PASS
Drop Test Dynamic - Clause 8.4 (Proof Load)	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 136kg (300lbs.) weight free falls from 6in. height to the center of the seat.	PASS	PASS
Stability Test – Rear Stability Clause 12.3.1 for type III	Apply only to chairs with backrests greater than 200mm Type III: Load the chair with 6 disks, 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. The force shall be: • $F = 0.1964 (1195 - H)$ Newton. H is the seat height in mm. • $[F = 1.1 (47 - H)$ pounds force.]. H is the seat height in inches. 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. The chair shall not tip over.	PASS	PASS
Stability Test – Rear Stability Clause 12.3.2 for type I and II	Apply only to chairs with backrests greater than 200mm Load the chair with 13 disks, the chair shall not tip over.	N/A	N/A
Stability Test – Front Stability Clause 12.4	The chair is obstructed with a 13mm (½ in.) obstruction to the chair casters/legs. A downward load of 600N (135lbs.) is centered 60mm (2.4in.) from the seat front center edge. The seat shall withstand a 20N (4.5lbf.) horizontally from the front seat edge without tipping.	PASS	PASS
Leg Strength Test - Front Load Clause 18.3 (Functional Load)	No loss of serviceability when a force of 334N (75lbf.) is applied to each front leg individually for 1 minute.	PASS	PASS
Leg Strength Test- Front Load – Clause 18.3 (Proof Load)	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when a force of 503N (113lbf.) is applied to each front leg individually for 1 minute.	PASS	PASS



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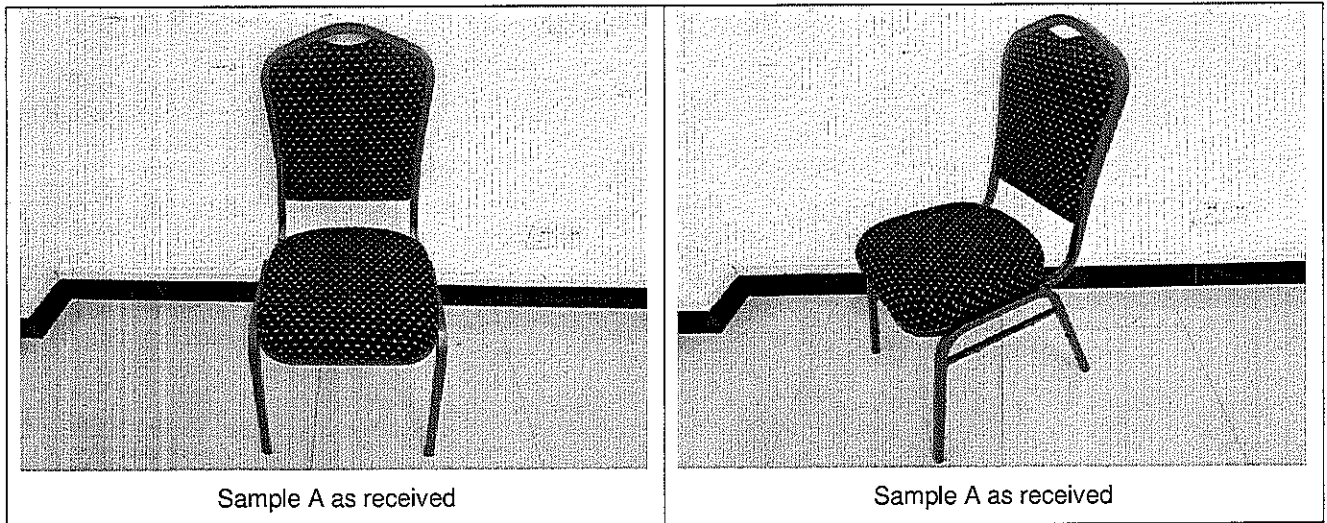
Test Items	Test Methods & Requirements	Test Results	
		A	B
Leg Strength Test -Side Load – Clause 18.4 (Functional Load)	No loss of serviceability when a force of 334N (75lb.) is applied once to each front and rear leg individually for 1 minute.	PASS	PASS
Leg Strength Test -Side Load Clause 18.4 (Proof Load)	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when a force of 503N (113lb.) is applied once to the front and rear leg individually for 1 minute.	PASS	PASS

Remark:

- 1) Only carried out partial tests of ANSI/BIFMA X5.1 -2011 as per client's requirement.
- 2) N/A – Not applicable;
- 3) 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;
- 4) Sample details:

Overall dimensions:	Sample A: 450 mm L X 560 mm W X 950 mm H Sample B: 445 mm L X 560 mm W X 890 mm H
Weight	Sample A: 6.84kg Sample B: 6.43kg

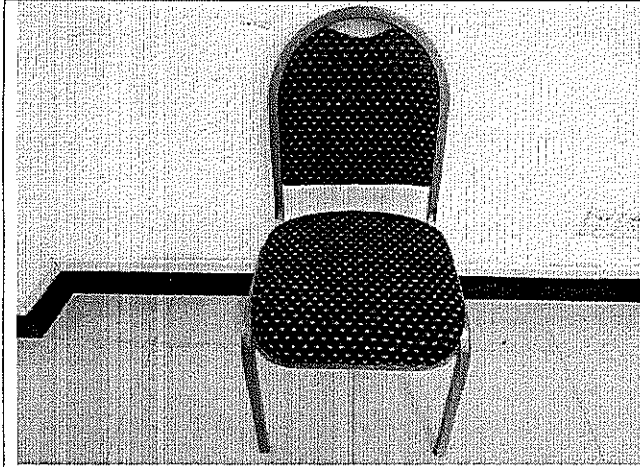
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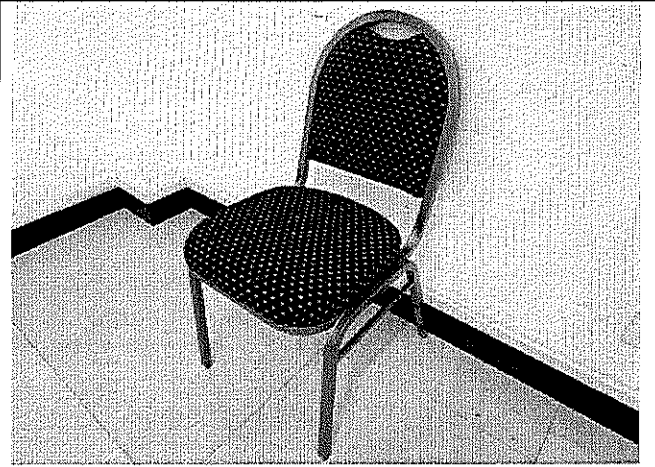
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Sample B as received



Sample B as received

The testing report/certificate only refers to the sample(s) tested.

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



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