

### PHOTO APPENDIX



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## Test Report

No.: GLHGR 081101930FT

Date: Nov 19, 2008

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Pacific Decor Limited

26/F Wyndham Place, 44 Wyndham Street, Central, Hong Kong.

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

Sample Description : PD EOC-LM  
Test Performed : Selected test(s) as requested by applicant  
Sample Receiving Date : Nov 13, 2008  
Test Performing Date : Nov 13, 2008 to Nov 19, 2008  
Test Result(s) : For further details, please refer to the following page(s)

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

  
William Cao  
Engineer

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# Test Report

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Test Conducted: Partial tests of ANSI/BIFMA X5.1 -2002 General -Purpose Office Chair – Tests, American National Standard for Office Furniture.

Type of chair: Type I

Test Items	Test Methods	Test Requirements	Test Results
Back Strength Test - Static - Type I (Functional Load)	ANSI/BIFMA X5.1 -2002 Clause 5.4	No loss of serviceability when 890N (200lbs.) is applied for 1 min. Applied 90° to the back at 16in. above the seat.	Pass
Back Strength Test - Static - Type I (Proof Load)	ANSI/BIFMA X5.1 -2002 Clause 5.4	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 1334N (300lbs.) is applied for 1 min. Applied 90° to the back at 16in. above the seat.	Pass
Back Strength Test - Static - Type II & III (Functional Load)	ANSI/BIFMA X5.1 -2002 Clause 6.4	No loss of serviceability when 667N (150lbs.) is applied for 1 min. Applied 90° to the back at 16in. above the seat.	Pass
Back Strength Test - Static - Type II & III (Proof Load)	ANSI/BIFMA X5.1 -2002 Clause 6.4	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
Base Test – Static	ANSI/BIFMA X5.1 -2002 Clause 7	No sudden and major change in the structural integrity under 11,120N (2500lbs.) compressions for 1 min. The weight is then removed and reapplied for 1 min. The center column may not touch the test platform during load applications.	Pass
Drop Test – Dynamic (Functional Load)	ANSI/BIFMA X5.1 -2002 Clause 8.4	No loss of serviceability when 102kg (225lbs.) weight free falls from 6in. height to the center of the seat.	Pass
Drop Test Dynamic (Proof Load)	ANSI/BIFMA X5.1 -2002 Clause 8.4	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
Stability Test – Rear Stability	ANSI/BIFMA X5.1 -2002 Clause 12.3	A 79kg (173lbs.) weight is placed to the seat center (strapped as Fig. 12a). Obstruct the chair casters/legs with 13mm (1/2in.) obstacle. A tipping force is applied to the chair back until the total weight is transferred to the rear support members. The tipping force shall not be less than: Type I and II –89N (20 lbs.) Type III –156N (35 lbs.)	Pass
Arm Strength Test Vertical - Static (Functional Load)	ANSI/BIFMA X5.1 -2002 Clause 13.4	No loss of serviceability when 890N (200lbs.) is applied for 1 min. The vertical load is uniformly applied along a 127mm (5in.) length at the apparent weakest point.	Pass
Arm Strength Test Vertical-Static (Proof Load)	ANSI/BIFMA X5.1 -2002 Clause 13.4	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 1334N (300lbs.) is applied for 1 min. The vertical load is uniformly applied along a 127mm (5 in.) length at the apparent weakest point.	Pass

To be continued....

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Test Items	Test Methods	Test Requirements	Test Results
Arm Strength Test Horizontal –Static (Functional Load)	ANSI/BIFMA X5.1 -2002 Clause 14.4	No loss of serviceability when 445N (100lbs.) for 1 min. is applied horizontally outward to the armrest at the most forward point of the armrest.	Pass
Arm Strength Test Horizontal - Static (Proof Load)	ANSI/BIFMA X5.1 -2002 Clause 14.4	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 667N (150lbs.) for 1 min. is applied horizontally outward to the armrest at the most forward point of the armrest.	Pass

**Remark:**

1. Partial tests in ANSI/BIFMA X5.1 -2002, which were requested by client, were performed.
2. NA – 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. Photo appendix is included.

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

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