

Test Report

No.: SDHL1611022357FT

Date: Nov.29, 2016

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FOSHAN ZHONGMENG SHENGYE FURNITURE CO., LTD
NO.6 GAOJIAO NANFANG INDUSTRIAL ZONE, LONGJIANG TOWN,
SHUNDE DISTRICT, FOSHAN CITY, GUANGDONG PROVINCE, CHINA

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

Sample Description : OFFICE CHAIR
Style / Item No. : ZM-211
Manufacturer : FOSHAN ZHONGMENG SHENGYE FURNITURE CO., LTD
Supplier : FOSHAN ZHONGMENG SHENGYE FURNITURE CO., LTD
Country of Destination : USA
Sample Receiving Date : Nov.14, 2016
Test Performing Date : Nov.14, 2016 to Nov.29, 2016

Test Result Summary

Test(s) Requested	Result(s)
Clause 8, 13, 14 & 15 of ANSI/BIFMA X5.1:2011 (Type I, 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 Shunde Branch
Shunde Branch Harbin

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TESTS AND RESULTS

Test Conducted:

Clause 8, 13, 14 & 15 of ANSI/BIFMA X5.1:2011 General-Purpose Office Chairs – Tests.

No. of Sample:

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

Chair Type: Type I, III.

Test and Requirements	Test Results
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
13 Arm Strength Test - Vertical - Static	
13.4.1 Functional Load 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.	PASS
13.4.2 Proof Load 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.	PASS
14 Arm Strength Test - Horizontal - Static	



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Shunde Branch Harbin

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Test and Requirements	Test Results
14.4.1 Functional Load 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.	PASS
14.4.2 Proof Load 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. A proof load applied once shall cause no sudden and major change in the structural integrity of the unit. Loss of serviceability is acceptable.	PASS
15 Backrest Durability Test - Cyclic - Type I A weight of 102 kg (225 lb.) shall be secured in the center of the seat. Apply a 445 N (100 lbf.) total force to the backrest at the specified position at a rate between 10 and 30 cycles per minute. For chairs with backrest widths less than or equal to 406 mm (16 in.) at the height of the loading point, apply the load to the backrest for 120,000 cycles. For chairs with backrest widths greater than 406 mm (16 in.) at the height of the loading point, apply the load to the backrest for 80,000 cycles + 20,000 cycles at the position 102 mm (4 in.) to the right of the vertical centerline + 20,000 cycles at the position 102 mm (4 in.) to the left of the vertical centerline.. There shall be no loss of serviceability. <i>Note: With the backrest at its back stop position, apply a force that is initially 90 degrees ± 10 degrees to the plane of the backrest. The force is not intended to be maintained at 90 degrees ± 10 degrees throughout the loading of the backrest.</i>	PASS

Remark:

1. N/A – Not applicable; N/R – Not Requested; N/P – Not provided.
2. For the sample information and pictures, please refer to the following page.



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SAMPLE INFORMATION AND PICTURES

Weight: 21.60 kg

Overall Dimensions: 730 mm L x 695 mm W x 1029~1147 mm H

Other Dimensions: /

Sample as Received



View 1



View 2



View 3



View 4

End of Report



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