



Test Report

No.SDHL2103004022FT

Date: Apr 06, 2021

Page 1 of 4

FOSHAN NANHAI SHANGQIAN PLASTIC PRODUCTS CO.,LTD
NO.2, DATOU DEVELOPMENT ZONE, HAIZHOU, XIQIAO TOWN, NANHAI DISTRICT,
FOSHAN CITY, GUANGDONG PROVINCE, CHINA

Sample Description : SZ-825 CHAIR
Manufacturer : FOSHAN NANHAI SHANGQIAN PLASTIC PRODUCTS CO.,LTD
Country of Origin : CHINA

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Sample Receiving Date : Mar 22, 2021
Test Performing Date : Mar 22, 2021 to Apr 01, 2021
Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	Backrest Strength Test - Static - Type I and II, Backrest Strength Test - Static - Type III and Backrest Durability Test - Cyclic - Type I of ANSI/BIFMA X5.1-2017	PASS	/

For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

Bill Wang
Authorized Signatory



SDHL2103004022FT



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TESTS AND RESULTS
Test Conducted:

Backrest Strength Test - Static - Type I and II, Backrest Strength Test - Static - Type III and Backrest Durability Test - Cyclic - Type I of ANSI/BIFMA X5.1-2017 General-Purpose Office Chairs – Tests.

No. of Sample:

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

Test and Requirements	Test Results
5 Backrest Strength Test - Static - Type I and II	
5.4.1 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 70 degrees $\pm$ 10 degrees to the plane of the backrest. The force is not intended to be maintained at 70 degrees $\pm$ 10 degrees throughout the loading of the backrest.	PASS
5.4.2 Proof Load There shall be no sudden and major change in the structural integrity of the chair, loss of serviceability is acceptable, when 1001 N (225 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 70 degrees $\pm$ 10 degrees to the plane of the backrest. The force is not intended to be maintained at 70 degrees $\pm$ 10 degrees throughout the loading of the backrest.	PASS
6 Backrest Strength Test - Static - Type 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 1001 N (225 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



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Test and Requirements	Test Results
14 Backrest Durability Test - Cyclic - Type I A weight of 109 kg (240 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 $\pm$ 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.</i>	PASS

Remark:

- For the sample information and pictures, please refer to the following page.



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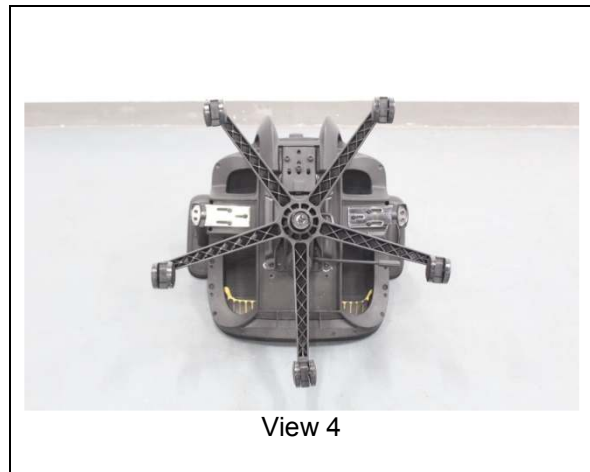
SAMPLE INFORMATION AND PICTURES

Weight: 19.55 kg

Overall Dimensions: (690~720) mm D x 721 mm W x (1155~1255) mm H

Other Dimensions: Base radius 340 mm

Sample as Received



End of Report



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