



Test Report

No.: SHHG1411040769FT

Date: NOV. 14, 2014

Page: 1 of 6

HAWORTH FURNITURE (SHANGHAI) CO., LTD.

360 XI YA ROAD, WAI GAO QIAO FREE TRADE ZONE, SHANGHAI 200131 CHINA

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

Sample Description : ORBIT 1PC
Sample Receiving Date : NOV. 11, 2014
Testing Period : NOV. 11, 2014 TO NOV. 14, 2014
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested : ANSI/BIFMA X5.5-2014: DESK/TABLE PRODUCTS-
TESTS-AMERICAN NATIONAL STANDARD FOR
OFFICE AND INSTITUTIONAL FURNISHINGS (CLAUSE
4.3, 5&6)
Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE
FOLLOWING PAGE(S)
Conclusion : THE SUBMITTED SAMPLE MET THE TEST
REQUIREMENT.

Signed for and on behalf of
SGS-CSTC Ltd.

Vincent Feng
Technical Manager

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SGS-CSTC Standards Technical Services Co., Ltd.
Shanghai Branch Laboratory

3rd Building, No. 889, Yishan Road, Xuhui District Shanghai, China 200233
中国·上海·徐汇区宜山路889号3号楼

t (86-21)61402666*2013
t (86-21)61402666*2013

f (86-21)54500353
f (86-21)54500353
e sgs.china@sgs.com



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Test Conducted:

ANSI/BIFMA X5.5-2014: Desk/Table Products-Tests--American National Standard for Office and Institutional Furnishings		
Testing Condition	:	All the physical test is carry out in indoor ambient.
Nos. of Specimen	:	1 pc.
Categories of the Specimen	:	Categories I
Test Result	:	Pass.

Tests Item	Test method and Requirements	Results-Remark	Rating
4 Stability Test			
4.3 Stability Under Vertical Load Test	For tables less than or equal to 72 in. in length: Place a 305 mm (12 in.) diameter disk so that its center is 178 mm (7 in.) from the edge of the top at the least stable location. For tables greater than 72 in. in length: Place two 305 mm (12 in.) diameter disks 36 in. Apart (center-to-center) so that their centers are 178 mm (7 in.) from the edge of the top at the least stable location. Place a 57 kg (125 lb.) static load on the disk(s). The unit shall not tip over	Keep stable	Pass
5 Unit Strength Test			
5.2 Concentrated Functional Load Test	This test does not apply to units with a primary surface greater than 965 mm (38 in.) in height. Apply the specified concentrated load to the primary surface at weakest points. When testing ganged units where the surface size is such that a 2.6 m (102 in.) chord a fit within the area of the tops, two concentrated loads are required. When testing units with lengths greater than 1829 mm (72 in.), two concentrated loads are required. All remaining surfaces and extendible elements shall be loaded. The largest two extendible elements shall be fully opened for the duration of the test. There shall be no loss of serviceability.	Test load: 91kg	Pass

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中国·上海·徐汇区宜山路889号3号楼 邮编:200233

t (86-21)61402666*2013 f (86-21)54500353
t (86-21)61402666*2013 f (86-21)54500353

www.cn.sgs.com
e sgs.china@sgs.com

Tests Item	Test method and Requirements	Results-Remark	Rating
5.3 Distributed Functional Load Test	Depending on the desk/table surface classification, apply the specified distributed loads. The largest two extendible elements shall be fully opened for the duration of the test. Loads shall be allowed to remain for 60 minutes. Close the extendible elements. Without removing any load, perform the Pull Force Test in Section 19. There shall be no loss of serviceability.	Length: 900mm<1143mm	Not applicable
5.4 Concentrated Proof Load Test	This test does not apply to units with a primary surface greater than 965 mm (38 in.) in height. Depending on the desk/table surface classification, load the unit appropriate concentrated proof load, except for the extendible elements, which shall remain loaded with the distributed functional loads for 15 minutes and then removed. There shall be no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.	Test load: 136kg	Pass
5.5 Distributed Proof Load Test	Depending on the desk/table surface classification, load the appropriate distributed proof loads, except for the extendible elements, which shall remain loaded with the functional loads. Loads shall be allowed to remain for 15 minutes and then removed. There shall be no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.	Length: 900mm<1143mm	Not applicable
5.6 Transaction Surface Torsion Load Test	Attach a strap or stranded metallic cable to one edge of the transaction surface at its apparent weakest point. Pass the strap or stranded metallic cable over the top of the transaction surface and allow it to hang vertically below the opposite edge. The strap, cable and/or the weight shall not contact any other surfaces. Attach a 34 kg (75 lb.) weight to the free end of the strap or cable. Allow the suspended weight to remain in place for 15 minutes. There shall be no loss of serviceability.	No transaction surface	Not applicable

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Tests Item	Test method and Requirements	Results-Remark	Rating
5.7 Extendible Element Static Load Tests	Determine the extendible element of each type with the largest available clear space Uniformly distribute a proof load in the selected extendible element. Close the extendible element and allow the load to remain for 15 minutes. Open the extendible element, allow the load to remain for 15 minutes, and then remove the load. There shall be no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable	No extendible element	Not applicable
5.8 Benching Systems - Distributed Functional Load and Stability Test	Apply the distributed functional loads to the primary surface(s). Loads shall be evenly distributed and centered over a line 178 mm (7 in.) in from the edge along the front (working) edge. For surfaces that are less than 406 mm (16 in.) deep, evenly distribute the load across the surface. The loads may be secured to the surface if necessary to perform this test. Loads shall be allowed to remain for 60 minutes. There shall be no loss of serviceability. The system shall not tip over.	No benching system	Not applicable
5.9 Benching Systems - Distributed Proof Load Test	Apply the appropriate distributed proof loads to all primary surfaces and functional loads to all secondary surfaces and extendible elements. The largest two extendible elements shall be fully opened for the duration of the test. Loads shall be allowed to remain for 15 minutes. There shall be no sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable	No benching system	Not applicable

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Tests Item	Test method and Requirements	Results-Remark	Rating
6 Top Load Ease Cycle Test	<p>This test do not applied to surfaces greater than 965 mm (38 in.) in height, or height adjustable units that cannot be adjusted to 965 mm (38 in.) or below.</p> <p>All extendible elements shall be loaded with the functional and then closed for the duration of the test. The cycling device shall be set to operate at a rate of 14 ± 6 cycles per minute.</p> <p>Prior to performing the test procedure, all extendible elements shall be tested to and meet the pull force requirements of Section 19. The bag shall be raised until the entire weight is off the primary surface and then eased (without impact) onto the primary surface. Repeat for a total of 10,000 cycles, remove the bag and perform the pull force test in Section 19.</p> <p>There shall be no loss of serviceability to the unit. Before and after the cycling test, the extendible elements shall meet the pull force test requirements in Section 19.</p>	<p>Test frequency: 15cycles per minute</p>	<p>Pass</p>

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t (86-21)61402666*2013
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f (86-21)54500353
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Sample Photo:

Received sample



SGS authenticate the photo on original report only

End of Report

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