FOSHAN YIZHONG FURNITURE CO.,LTD
NO. 6, THE FIRST STREET, YUANNAN ROAD, LONGGAO ROAD, JIUJIANG TOWN,
NANHAI DISTRICT, FOSHAN CITY, CHINA

Sample Description	:	STUDENT CHAIR
Item No.	:	668-16
Manufacturer	:	FOSHAN YIZHONG FURNITURE CO.,LTD.
Supplier	:	FOSHAN YIZHONG FURNITURE 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	:	Aug 30, 2022
Sample Resubmission Date	:	Sep 29, 2022
Test Performing Date	:	Sep 02, 2022 to Oct 11, 2022
Test Performed	:	Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	ANSI/BIFMA X6.1-2018	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

Marco Leung

Marco Leung
Authorized Signatory

scan to see the report
SDHL2210021889FT

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch Hardware

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1/F,1st Building,European Industrial Park,No.1 Shunhe South Road,Wusha Section,Daliang Town,Shunde,Foshan,Guangdong,China 528333 t (86-757)22805888 f (86-757)22805858 www.sgsgroup.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

TESTS AND RESULTS

Test Conducted:
ANSI/BIFMA X6.1-2018 Educational seating.

No. of Sample:
3 pieces. For more sample information and pictures, please refer to the following page.

Chair Size: Size B.

Seating Unit Type: Non-tilting Fixed.

Test and Requirements	Test Results
5 Stability tests	
5.3 Rear Stability	
5.3.1 Rear Stability Test for Size C Chairs Place a support fixture made of a 1.5 mm ± 0.15 mm (0.060 in. ± 0.006 in.) thick polypropylene, 356 mm (14 in.) wide and 711 mm (28 in.) tall against the chair back so that it approximates the contour of the back. Load the chair with 6 disks (10 kg each). Place the first disk on the seat using the Template from Appendix G. As each disk is added to the stack slide it along the lower disk until it contacts the support fixture. Apply a rearward force parallel to the top surface of the highest disk. The location of the force application is 6 mm (0.24 in.) from the top of the disk. For chairs with seat height (as measured at the front of the bottom of the lowest disk when all disks are in the chair) less than 710 mm (28.0 in.), calculate the force as follows: • 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.	N/A
5.3.2 Rear Stability Test for Size B Chairs Use the 95 degree “B” template, mark the back load point 300 mm (11.8 in.) above the seat (on the centerline) or for chairs with backs lower than the template back load point, mark as near to the top of the back as possible. Mark the seat load point 175 mm (6.9 in.) forward of the backrest (as measured by the template) on the centerline Center a 203 mm ± 13mm (8 in. ± 0.51 in.) disk on the seat load point and apply 600 N (135 lbf.). Apply a horizontal force of 180 N (40 lbf.) to back at the 300 mm (11.8 in.) at the back load point. The chair shall not tip over as a result of the force application.	PASS
5.3.3 Rear Stability Test for Size A Chairs Use the 95 degree “A” template, mark the back load point 250 mm (9.8 in.) above the seat (on the centerline) or for chairs with backs lower than the template back load point, mark as near to the top of the back as possible. Mark the seat load point 145 mm (5.7 in.) forward of the backrest (as measured by the template) on the centerline. Center a 203 mm ± 13mm (8 in. ± 0.51 in.) disk on the seat load point and apply 350 N (79 lbf.). Apply a horizontal force of 100 N (22.5 lbf.) to back at back load point. The chair shall not tip over as a result of the force application.	N/A

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch Hardlines

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1/F,1st Building,European Industrial Park,No.1 Shunhe South Road,Wusha Section,Daliang Town,Shunde,Foshan,Guangdong,China 528333 t (86–757)22805888 f (86–757)22805858 www.sgsgroup.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86–757)22805888 f (86–757)22805858 e sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Test and Requirements	Test Results
5.4 Front Stability Test Procedure – Alternate A This alternative may only be used on chairs that do not have a resilient seat surface. Apply a vertical load of 600 N (135 lbf.) for Size C, or 500 N (112 lbf.) for Size B, or 350 N (79 lbf.) for Size A, through a 200 mm (7.87 in) diameter disk, the center of which is 60 mm (2.4 in.) from the front center edge of the load-bearing surface of the seat. Apply a horizontal force of 20N (4.5 lbf.) at the same level of the plane of the top of the seat. The force shall be coincident with the side-to-side centerline of the seat. Test Procedure - Alternate Apply a vertical load of 600 N (135 lbf.) for Size C, or 500 N (112 lbf.) for Size B, or 350 N (79 lbf.) for Size A, by means of the front stability loading fixture at a point 60 mm (2.4 in.) from the front center edge of the load-bearing surface of the chair. Apply a horizontal force of 20N (4.5 lbf.) at the same level of the plane of the top of the seat. The force shall be coincident with the side-to-side centerline of the seat. The chair shall not tip over as the result of the force application.	PASS
5.5 Front Stability for Convertible Bench Tables A downward force shall be applied initially at 45° ± 5° to the test platform by attaching a strap, not to exceed 76 mm (3 in.) in width, centered over the front portion of the seat. The force shall be applied until the total unit weight is transferred to the front support members. (This typically occurs when the rear support members lift off the test platform). The force determined shall not be less than 40% of the total unit weight.	N/A
5.6 Side Stability test for Convertible Bench Tables Place a concentrated load of 122 kg (270 lbs.) at the end of the bench top through a 305 mm (12 in.) diameter disk that is flush with the edge and centered on the top. Also place a concentrated load of 122 kg (270 lbs.) at the end of the bench seat through a 305 mm (12 in.) diameter disk that is flush with the edge and centered on the seat. The convertible bench shall not tip over.	N/A
5.7 Front and Side Stability for Chair Desks Place a concentrated load of 57 kg (125 lbs.) through a 305 mm (12 in.) diameter disk that is flush with one or more edges of the top at the least stable position. Multiple load applications may be necessary to determine the least stable position. Repeat the test with an 11 kg (25 lb.) load suspended from any backpack hooks. The chair shall not tip over as the result of the force applications.	N/A
6 Backrest Strength Test - Static	
6.4.1 Functional Load There shall be no loss of serviceability to the chair when 535 N (120 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 ± 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.	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 803 N (181 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 ± 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.	PASS

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch Hardlines

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1/F,1st Building,European Industrial Park,No.1 Shunhe South Road,Wusha Section,Daliang Town,Shunde,Foshan,Guangdong,China 528333 t (86-757)22805888 f (86-757)22805858 www.sgsgroup.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Test and Requirements	Test Results
7 Backrest Durability Test - Cyclic A weight of 79 kg (175 lb.) shall be secured in the center of the seat. Apply a total force of 265 N (60 lbf.) 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. *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.*	PASS
8 Drop Test - Dynamic	
8.4.1 Functional Load Test There shall be no loss of serviceability when a test bag weighing 77 kg (169 lb.) is free fell from height of 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 102 kg (225 lb.) is free fell from height of 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
9 Seat static loading test for chair desks and Fixed-Tablet Arm Chair	
9.5.1 Functional load There shall be no loss of serviceability when applied a functional load of 181 kg (400 lb.) through a 203mm±13mm (8in.±0.51in.) diameter loading device at the apparent worst- cast position for 1 minute. Repeat the test for chairs with seat height adjustment features.	PASS
9.5.2 Proof load Apply a proof load of 272 kg (600 lb.) using a loading device with a diameter of 203mm±13mm (8in.±0.51in.) at the apparent worst- cast position for 10 seconds. Repeat the test for chairs with seat height adjustment features, there shall be no sudden and major change in the structural integrity of the chair, loss of serviceability is acceptable.	PASS
10 Seating Durability Tests – Cyclic The impact test (Section 10.3.1) and front corner load tests (Section 10.3.2) must be run sequentially (on the same test unit) for this evaluation in this section.	

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch Hardlines

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1/F,1st Building,European Industrial Park,No.1 Shunhe South Road,Wusha Section,Daliang Town,Shunde,Foshan,Guangdong,China 528333 t (86–757)22805888 f (86–757)22805858 www.sgsgroup.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86–757)22805888 f (86–757)22805858 e sgs.china@sgs.com

Test and Requirements	Test Results
10.3.1 Impact test for Chairs and Convertible Bench-Tables There shall be no loss of serviceability to the chair after a test bag weighing 43 kg (95 lb.) is free fell from 36 mm (1.4 in.) above the uncompressed seat to the specified position on seat for 100,000 cycles. The drop height and/or seat height shall be adjusted during the test if the drop height changes by more than 13 mm (0.5 in.). The cycling device shall be set at a rate between 10 and 30 cycles per minute. *Note: Chairs with less than 44 mm (1.75 in.) of cushioning materials in the seat shall have foam added to bring total cushioning thickness to 50 mm ± 6 mm (2 in. ± 0.25 in.). Any additional foam added to the top of the seat shall have a 25% Indentation Force Deflection (IFD) of 200 N ± 22 N (45 lbf. ± 5 lbf.). Flexible seat surfaces (i.e., mesh, flexible plastic, etc.) are not considered cushioning materials.*	PASS
10.3.2Front Corner Load-Ease Test – Cyclic – Off-center This test applies to C-sized seating unit only. After completing the impact test, alternately apply a load of 91 kg (200 lb.) through a 203 mm ± 13 mm (8 in. ± 0.51 in.) diameter loading device at one front corner flush to each structural edge at a rate of 10 to 30 cycles per minute for 20,000 cycles. Reposition the load to the other front corner, and perform the test for an additional 20,000 cycles. There shall be no loss of serviceability to the chair after completion of both the impact and load-ease tests. If applicable, the chair base (center structure) shall not touch the test platform as a result of the impact loads. *Note: Applying the loads in an alternating sequence to attain a total of 40,000 cycles is an acceptable method of performing this test.*	N/A
10.4 Load- Ease (Simulated Impact2) Test for chair- desks and fixed-tablet arm chairs Apply a load of 101 kg (222 lb.) to the seat without impact so the seat takes the entire load, then remove the load. The cycling shall be set at a rate between 10 and 30 cycles per minute. There shall be no loss of serviceability to the chair after completion of the test.	PASS
11Arm Strength Test - Vertical – Static	
11.4.1 Functional Load Apply an initially vertical pull force of 565 N (127 lbf.) 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.	N/A
11.4.2 Proof Load Apply an initially vertical pull force of 845 N (190 lbf.) 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 10 seconds. There shall be no sudden and major change in the structural integrity of the unit. Loss of serviceability is acceptable.	N/A
12 Arm Strength Test - Horizontal – Static	

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch Hardlines

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F,1st Building,European Industrial Park,No.1 Shunhe South Road,Wusha Section,Daliang Town,Shunde,Foshan,Guangdong,China 528333 t (86–757)22805888 f (86–757)22805858 www.sgsgroup.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86–757)22805888 f (86–757)22805858 e sgs.china@sgs.com

Test and Requirements	Test Results
12.4.1 Functional Load Apply an initially horizontal pull force of 334 N (75 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.	N/A
12.4.2 Proof Load Apply an initially horizontal pull force of 503 N (113 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 10 seconds 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.	N/A
13 Arm Durability Test -Angular – Cyclic This test applies to C-size chairs only. This does not apply to tablet arms. Simultaneously apply a force of 400 N (90 lbf.) to each arm initially at a 10° ± 1° angle. The arm loading device must follow the arm as it deflects or pivots. The force shall be applied and removed for 60,000 cycles at a rate between 10 and 30 cycles per minute. The arm loading device should distribute the load over a length of 100 mm (4 in.) on the arm pad. Center of load shall not be applied more than 25 mm (1.0 in.) in from the inside edge of the arm pad. There shall be no loss of serviceability to the chair.	N/A
14Caster/Chair Base Durability Test – Cyclic	
14.1 Caster/Chair Base Durability Test for Pedestal Base Chairs No loss of service after 2,000 cycles over a hard surface with 3 obstacles and then 23,000 cycles over a smooth hard surface without obstacles under a load of 91 kg (200 lb.) at a rate of 10 ± 2 cycles per minute. Test stroke is 762±50mm (30±2in.) of travel. The caster shall not separate from the base as a result of the application of the 22 N (5 lbf.) force.	PASS
14.2 Caster / Chair Frame Durability Test for Non-pedestal Chairs with Casters No loss of service after 2,000 cycles over a hard surface with 3 obstacles and then 23,000 cycles over a smooth hard surface without obstacles under a load of 91 kg (200 lb.) at a rate of 10 ± 2 cycles per minute. Test stroke is 762±50mm (30±2in.) of travel. The caster shall not separate from the base as a result of the application of the 22 N (5 lbf.) force.	N/A
15 Durability Test for Convertible Bench Tables with Casters There shall no loss of serviceability after 5,000 cycles over a hard surface with obstacles. The obstacle spacing shall not allow all caster to impact the obstacles simultaneously(only two casters shall pass over an obstacle at one time), test stroke is 762±50mm (30±2in.). There shall be no loss of serviceability. The caster shall not separate from the base as a result of the application of the 22 N (5 lbf.) force.	N/A
16 Leg Strength Test - Front and Side Application	

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch Hardlines

检验检测专用章 Inspection & Testing Services

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

1/F,1st Building,European Industrial Park,No.1 Shunhe South Road,Wusha Section,Daliang Town,Shunde,Foshan,Guangdong,China 528333 t (86-757)22805888 f (86-757)22805858 www.sgsgroup.com.cn

中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Test and Requirements	Test Results
16.3.2.1 Front Load Test- Functional Test The loading device shall be attached to the chair so that an initially horizontal force is applied inward and parallel to the front-to-rear axis of the chair, between 13 mm (0.5 in.) and 38 mm (1.5 in.) from the bottom of a leg. Apply a functional force to each front leg (individually) of 334N (75lbf) for chairs or 222 N (50 lbf.) for Chairs/Desk for one (1) minute. Functional load(s) shall cause no loss of serviceability.	N/A
16.3.2.2 Front Load Test- Proof Test The loading device shall be attached to the chair so that an initially horizontal force is applied inward and parallel to the front-to-rear axis of the chair, between 13 mm (0.5 in.) and 38 mm (1.5 in.) from the bottom of a leg. Apply a proof force to each front leg (individually) of 501 N (113 lbf) for chairs or 334 N (75 lbf.) for Chairs/Desk for 10 seconds. Proof load(s) shall cause no sudden and major change in the structural integrity of the chair. Loss of serviceability is acceptable.	N/A
16.4.2.1 Side Load Test- Functional Test The loading device shall be attached to the chair so that an initially horizontal force is applied inward and parallel to the front-to-rear axis of the chair, between 13 mm (0.5 in.) and 38 mm (1.5 in.) from the bottom of a leg. For chairs apply a functional force to each side leg (individually) of 334 N (75 lbf.) for 1 minute. For chair/desks apply a functional force to the side of front leg (individually) of 222 N (50 lbf.) and a functional force to the side of rear leg (individually) of 334 N (75 lbf.) for 1 minute. Functional load(s) shall cause no loss of serviceability.	N/A
16.4.2.2 Side Load Test- Proof Test The loading device shall be attached to the chair so that an initially horizontal force is applied inward and parallel to the front-to-rear axis of the chair, between 13 mm (0.5 in.) and 38 mm (1.5 in.) from the bottom of a leg. For chairs apply a proof force to each side leg(individually) of 501 N (113 lbf.) for a minimum of 10 seconds. For chair/desks apply a proof force to the side of front leg (individually) of 334 N (75 lbf.) and a proof force to the side of rear leg (individually) of 501 N (113 lbf.) for a minimum of 10 seconds. Proof load(s) shall cause no sudden and major change in the structural integrity of the chair. Loss of serviceability is acceptable.	N/A
17 Structural Member Strength Test	
17.4.1 Functional Load Test There shall no loss of serviceability when a vertical downward force of 890 N (200 lbf.) applied uniformly along a 102mm(4in.) length of the horizontal member at the apparent weakest point of the structure for 1 minute.	N/A
17.4.2 Proof Load Test No sudden and major change in the structural integrity (loss of serviceability is acceptable) when a vertical downward force of 1334 N (300 lbf.) applied uniformly along a 102mm (4in.) length of the horizontal member at the apparent weakest point of the structure for 10 seconds.	N/A
18 Swivel Test – Cyclic There shall be no loss of serviceability after 60,000cycles of rotation at a rate between 5 and 15 rotations per minute under a load of 91 kg (200 lb.) on the seat. If the seat height is adjustable set the height to its lowest position, for all chairs, continue the test for an additional 60,000 cycles to a total of 120,000 cycles.	N/A

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch Hardlines
1/F,1st Building,European Industrial Park,No.1 Shunhe South Road,Wusha Section,Daliang Town,Shunde,Foshan,Guangdong,China 528333 t (86-757)22805888 f (86-757)22805858 www.sgsgroup.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

Test and Requirements	Test Results
19 Tablet Arm Front Stability Align a 254 mm ± 3mm(10in ±0.125in.) diameter disk so that the edge of the disk is flush with the front edge of the surface at its apparent least stable position. When the least stable position is not obvious, several load application positions may be necessary to properly the product. If the disk overhangs the top, center the disk on the top. Apply a load of 6.8 kg (15 lb.) including the weight of the disk. The load shall not cause the unit tip over.	PASS
20 Tablet Arm Chair Static Load Test This test applicable to all C-size seating units equipped with tablet arms to be used as an auxiliary writing surface. Apply a load of 68 kg. (150 lb.) through a 203 mm ± 13 mm (8.0 in. ± 0.51 in.) diameter area 25 mm (1 in.) from the edge of the surface at its apparent weakest point for one (1) minute and then remove. The load applied once shall cause no sudden and major change in the structural integrity of the chair. After performing the test, the tablet arm must allow egress from the unit; other losses of serviceability are acceptable.	N/A
21Tablet Arm Chair Load Ease Test – Cyclic This test applicable to all C-size seating units equipped with tablet arms to be used as an auxiliary writing surface. Apply a load of 25kg (55 lb.) through a 203 mm ± 13 mm (8.0 in. ± 0.51 in.) diameter area 25 mm (1 in.) from the edge of the surface at its apparent weakest point, for a total of 100,000 cycles. The cycling device shall be set to operate at a rate of 14 ± 6 cycles per minute. There shall be no loss of serviceability to the unit.	N/A
22 Chair Desk and Table Top Horizontal Surface Vertical Load Test	
22.3 Concentrate Functional Load Test There shall be no loss of serviceability when applied a concentrate load per table 13 through a 305 mm(12in.) diameter area 25mm (1in.) from the unit's edge at its apparent weakest point for 60 minutes. A weight of 109 kg (240 lb.) shall be secured in the center of each seating position.	N/A
22.4 Distribute Functional Load Test There shall be no loss of serviceability when applied the distributed load per table 13 for 60 minutes. The load is evenly distributed and centered over a line 203mm±13mm(8in.±0.5in.) in from the edge along the entire perimeter, a weight of 109 kg (240 lb.) shall be secured in the center of each seating position.	N/A
22.5 Concentrate proof Load Test There shall be no sudden and major change in the structural integrity (loss of serviceability is acceptable) when applied a concentrate proof load per table 13 through a 305 mm (12in.) diameter area 25mm (1in.) from the unit's edge at its apparent weakest point for 15 minutes. A weight of 109kg (240lb.) shall be secured in the center of each seating position.	N/A
22.6 Distribute Proof Load Test There shall be no sudden and major change in the structural integrity (loss of serviceability is acceptable) when applied the distributed proof load per table 13 for 15 minutes. The load is evenly distributed and centered over a line 203mm±13mm (8in.±0.5in.) in from the edge along the entire perimeter, a weight of 109 kg (240 lb.) shall be secured in the center of each seating position.	N/A

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch Hardlines

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1/F,1st Building,European Industrial Park,No.1 Shunhe South Road,Wusha Section,Daliang Town,Shunde,Foshan,Guangdong,China 528333 t (86–757)22805888 f (86–757)22805858 www.sgsgroup.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86–757)22805888 f (86–757)22805858 e sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Test and Requirements	Test Results
23 Chair Desk and Convertible Bench Table Top Load-Ease Test – Cycle There shall be no loss of serviceability when applied a load of 91kg (200lb.) through a 406mm± 51mm (16in.± 2in.) diameter bag shall be positioned on the surface at the apparent weakest point. The load shall be raised until entire weight is off the surface and then eased on to the surface, then remove the load. Repeat for total of 20,000 Cycles. A weight of 109 kg shall be placed in the center of the seat.	N/A
24 Static Loading of Storage (Backpack) Hooks and Unit Stability	
24.4.1 Functional Load There shall be no loss of serviceability and the unit shall not tip over when hung a functional load of 9.1kg (20lb.) on the storage hook for 1 minute.	N/A
24.4.2Proof Load There shall be no sudden and major change in the structural integrity (loss of serviceability is acceptable) when hung a proof load of 13.6kg (30lb.) on the storage hook for 10 seconds.	N/A

Remark:

1. N/A – Not applicable; N/R – Not requested; N/P – Not provided.
2. This test report is issued based on the modification of the original No. SDHL2209017716FT test report issued on Oct 12, 2022. And the original report is still valid. According to applicant's requirements, following changes are included:
   a. Change of applicant's name.
   b. Change of applicant's address.
   c. Delete buyer's name.
   d. Delete Country of destination.
3. For the sample information and pictures, please refer to the following page.

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch Hardlines

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1/F,1st Building,European Industrial Park,No.1 Shunhe South Road,Wusha Section,Daliang Town,Shunde,Foshan,Guangdong,China 528333 t (86–757)22805888 f (86–757)22805858 www.sgsgroup.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86–757)22805888 f (86–757)22805858 e sgs.china@sgs.com
Member of the SGS Group (SGS SA)

SAMPLE INFORMATION AND PICTURES

Weight: 25.25 kg

Overall Dimensions: (575~1009) mm L x (635~1025) mm D x 846 mm H

Other Dimensions: /

Sample as Received



View 1



View 2



View 3



View 4

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

End of Report

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch Hardlines

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com
1/F,1st Building,European Industrial Park,No.1 Shunhe South Road,Wusha Section,Daliang Town,Shunde,Foshan,Guangdong,China 528333 t (86-757)22805888 f (86-757)22805858 www.sgsgroup.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com
Member of the SGS Group (SGS SA)