



中国认可
国际互认
检测
TESTING
CNAS L7877

Test Report

No.: SDHL240901870201FT

Date: Jan 09, 2025

Page 1 of 8

ZHONG SHAN SONGLIN FURNITURE CO.,LTD
B BLOCK, JINLI INDUSTRIAL ZONE, SANXING ROAD, SALANG VILLAGE,
SANJIAO TOWN, ZHONGSHAN CITY, GUANGDONG PROVINCE, CHINA, 528400

Sample Description : OFFICE CHAIR
Style No. : SL-A79
Manufacturer : SONGLIN
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 : Sep 29, 2024
Test Performing Date : Sep 30, 2024 to Jan 09, 2025
Test Performed : Selected test(s) as requested by applicant

Test Result Summary

Ref. Document for Tests	Test Result(s)
QB/T 2280-2016 Office furniture – Office chair	18 items were tested in this commissioned test, all were found to meet the standard requirements.
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

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Shunde Branch

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TESTS AND RESULTS

Ref. Document for Tests:

QB/T 2280-2016 Office furniture – Office chair.

No. of Sample:

5 pieces. For more sample information and pictures, please refer to the following page.

No.	Test Items	Test Requirement	Test Result
1	Main dimension	Seat height* H_1 : $\geq 380\text{mm}$	PASS
		Seat depth T_1 : $340\sim 540\text{mm}$	PASS
		Seat width B_1 : $\geq 360\text{mm}$	PASS
		Back height* L_1 : $\geq 275\text{mm}$	PASS
		Movements itinerary * L_2 : $\geq 60\text{mm}$	PASS
		Inner width between arms B_2 : $\geq 440\text{mm}$	PASS
		Arm height * H_2 : (160~250)mm	PASS
2	Form and position tolerances	Seat back eccentricity: $\leq 140\text{mm}$	PASS
		Shape symmetry *: $\leq 6\text{mm}$	PASS
		Left and right horizontal tolerance of seat surface *: $\leq 6\text{mm}$	PASS
		Horizontal stability: $\leq 2\text{mm}$	PASS
3	Appearance -- Plastic parts	There shall be no crack or obvious deformation	PASS
		There shall be no obvious shrinkage cavity, bubble, impurity and scar	
		The surface of plastic parts shall be smooth, without scratches, stains and obvious color difference	



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 中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300 t (86-757)22805888 sgs.china@sgs.com

No.	Test Items	Test Requirement	Test Result
4	Appearance - Soft and hard package	Components and sewing shall be free of damage, stain, off thread, slit or degumming.	PASS
		Components and sewing shall be symmetrical. The sewing stitch shall be uniform, without obvious floating thread and needle skipping. The pattern is clear, without jumping wire and obvious color difference.	
		The soft package shall be full, smooth and consistent in appearance, and the symmetrical parts shall be symmetrical. The inlay is smooth and straight. Hard package shall be smooth, without wrinkles.	
		The integrated foam forming parts shall be firmly combined and flat, without defects such as falling off, wrinkling and relaxation. The appearance of self skinning parts shall be flat, smooth, without pits, uniform thickness, dense texture, and the parting gap shall not affect the appearance.	
5	Appearance - Wooden parts	The wooden parts shall be free of cracks, blunt edges, dead joints, moth eaten wood and slightly corroded wood.	---
		The wood-based panel parts shall be edge sealed.	
		Edge banding and veneering shall be free of blistering and degumming	
		The edge banding and veneering shall be tight and flat, the surface texture and color shall be similar, there shall be no depression, indentation and obvious glue penetration, and the veneer shall be free of scratch, pitting, crack, collapse angle and cutting edge	
6	Appearance of metal parts	Metal parts shall be subject to anti rust treatment without rust.	PASS
		Metal parts shall be free of fittings with unsealed ends. Pipes and stamping parts shall be free of cracks, delamination, overlapping seams, dislocation and scabs. The arc at the elbow shall be smooth and consistent, the ripple height shall not be greater than 0.4mm, and the stamping parts shall be flat.	
		Metal parts shall be free of cracks and scabs.	
		The welding position shall be free of desoldering, false welding and penetration.	
		The weldment shall be free of slag inclusion, air hole, weld bead, undercut and splash.	
		There shall be no missing riveting or off riveting at the riveting joint.	
		Riveted parts shall be riveted smoothly, without hammer marks.	



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No.	Test Items	Test Requirement	Test Result
7	Coating	The coating of wooden parts shall be flat and smooth, without scratch, fog, white ridge, white spot, sagging, powder accumulation, slag inclusion and obvious color difference.	PASS
		The coating of wooden parts shall be free of bubbling, wrinkled skin, posting and paint leakage.	
		The coating of metal parts shall be free of bottom leakage, concave convex, obvious sagging, pimple, wrinkle, flying paint, peeling, rust return and paint leakage.	
		The coating of metal parts shall be free of scorching, blistering, pinholes, cracks, burrs, spots (excluding color zinc plating) and scratches.	
8	Other appearance requirements	The parts of the product shall be free of damage.	PASS
		The combination of fixed parts shall be firm, without looseness, missing parts, missing nails and penetrating nails.	
		All external corners of the product and parts in contact with human body shall be blunt, without burrs, edges or edges.	
		All external parts of the product shall be free of color loss (peeling).	
		Assembly: It shall be easy to assemble and disassemble, with complete parts. After assembly, the connection is reliable and not easy to loosen. Connectors shall be provided with anti falling treatment.	
		Lifting mechanism and angle adjusting mechanism: The lifting is light and flexible, the lifting coordination of screw mechanism is good, and the pneumatic lifting shall be stable, without air leakage and noise. The angle adjustment structure is flexible, reliable, freely adjusted, and has a locking device.	
		Casters: The rotation and translation shall be light and flexible, without damage, and the connection shall be firm.	



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 中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300 t (86-757)22805888 sgs.china@sgs.com

No.	Test Items	Test Description	Requirement	Result
9	Stability	The static load of the seat surface is 600N, the forward and lateral tipping force is not less than 20N, and the backward tipping force is not less than 100N	No tipping	PASS
10	Seat surface impact	Impact height 152mm, impact mass 102kg, one time. If the seat surface is adjustable, adjust it to the highest and lowest positions for impact once each.	1. There are no fractures of any member, joint or component; 2. There is no obvious deformation at the loading position;	PASS
11	Seat surface and back static load	Non swivel chair: Seat surface: 1300 N; Back: 450 N, 10 times	3. No loosening of seating structure; 4. There shall be no clear and identifiable noise during the test;	---
12	Arm vertical downward static load	750 N, 1min	5. The lifting mechanism and rotating mechanism shall be free from failure;	PASS
13	Arm horizontal static load	445 N, 1min	6. There shall be no obvious loosening of screws and other parts	PASS
14	Caster reciprocating wear	The seat surface is vertically loaded with a static load of 113kg and tested 2000 times on the test platform with obstacles; 98000 tests on an obstacle free horizontal test bench	1. After the test, the use function shall be free from damage and loss; 2. After the test, pull the casters along the center line of each caster with a force of 22N, and the casters shall not fall off.	PASS
15	Base static load	7560 N, 1min, 2 times	The structural integrity of the base shall be free from damage and sudden and obvious deformation.	PASS



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No.	Test Items	Test Description	Requirement	Result
16	Seat surface and back durability test	Non swivel chair: Seat surface loads with 950 N, 100000 times Seat back loads with 330 N, 100000 times Seat balance load: 950 N		---
17	Seat back reciprocating durability test	Type I of chair: Seat surface loads with 102kg, seat back loads with 445 N, 120000 times	<ol style="list-style-type: none"> There are no fractures of any member, joint or component; There is no obvious deformation at the loading position; No loosening of seating structure; There shall be no clear and identifiable noise during the test; The lifting mechanism and rotating mechanism shall be free from failure; There shall be no obvious loosening of screws and other parts 	PASS
		Type II, III of chair: Seat surface loads with 102kg, seat back loads with 334 N, 120000 times		PASS
18	Tilting mechanism	300000 times		PASS
19	Seat rotation durability test	The static load of the seat surface is 102kg, the rotation angle is (360 ± 10) with 5 times / min ~ 15 times / min, 120000 times. If the seat surface is adjustable, adjust it to the highest and lowest positions for 60000 times respectively		PASS
20	Seat durability test	Reciprocating impact durability of seat: 57kg sandbag, impact height 30mm, 10 times / min ~ 30 times / min, 100000 times		PASS



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No.	Test Items	Test Description	Requirement	Result
		Alternating load durability of left and right bending of seat surface: 734N, alternately loaded on two loading points, 10 times / min ~ 30 times / min, 40000 times		PASS
21	Dropping	Dropping height 200mm, 10 times		PASS
Note: "---" means that the test item is "not applicable".				



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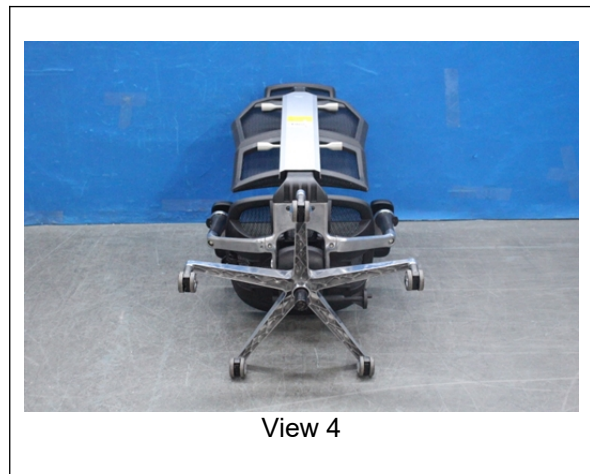
SAMPLE INFORMATION AND PICTURES

Weight: 24.1 kg

Overall Dimensions: (735~770) mm D x 750 mm W x (1160~1370) mm H

Other Dimensions: Base radius 350 mm

Sample as Received



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



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