

Report NO. SA202502250

TEST REPORT

(1) Sample information

Sample Description	CHJ66SW	Model:	CHJ66SW
Size	/	Quantity	1PCS
Manufacturer Name	/	Sample Category	CHAIR
Material No.	143100007	Batch No	/
Entrusting Dep.	Research and Development Department Four	Entrusting Date	2025/2/28
Sample(s) condition	FINISHED	Client telephone	13588410747

(2) Testing information

Test Category: Internal Test Test time: 2025-03-04

No.	Test Item	Test Basis	Specification	Test Result	Conclusion
1	Stability Test	QB/T 2280-2016	Rear stability: 600N force is applied vertically downward at 175mm from the intersection point of the line and the center line of the seat back, and the force is applied to the center line of the seat back along the horizontal, and the intersection point of the line and the center of the seat is applied horizontally for 5s, and an external force of 131N is applied, which should not be tipped over. Front stability: 600N force is vertically loaded at 60mm at the front of the seat surface, and 20N tension is applied horizontally for 5s, which should not be tipped over;	Not tipped	Pass
2	Drop Test Dynamic		1. The seat or parts should not be broken or cracked; 2. There should be no obvious deformation of the loading part; 3. The seat structure is loose; 4. The specimen should not emit clear and distinguishable noise during the test; 5. The lifting mechanism and the rotating mechanism should be free of failure; 6. There should be no loosening of screws and other spare parts.	Use a 102kg sandbag to strike once at both the highest and lowest positions.  Meet the Requirements	Pass

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No.	Test Item	Test Basis	Specification	Test Result	Conclusion
3	Seating Durability Tests-Cyclic (Impact Test)		1. The seat or parts should not be broken or cracked; 2. There should be no obvious deformation of the loading part; 3. The seat structure is loose; 4. The specimen should not emit clear and distinguishable noise during the test; 5. The lifting mechanism and the rotating mechanism should be free of failure; 6. There should be no loosening of screws and other spare parts.	57kg, 100000 times, 15 times/min.  Meet the Requirements	Pass
4	Arm Strength Test-Vertical - Static			750N, 1min.  Meet the Requirements	Pass
5	Arm Strength Test-Horizontal -Static			445N, 1min.  Meet the Requirements	Pass
6	Back strength test—static—type I & II (Clause 5)	ANSI/BIFMA X5.1-2017 (R2022)	Functional Load:here shall be no loss of serviceability when a force of 667N(150lbf.) is applied 70 ° ±10° to the back at 406mm(16in.) above the seat for 1 minute.	Meet the Requirements	Pass
			Proof Load:There shall be no sudden and major change in the structural integrity (loss of serviceability is acceptable) when a force of 1001N(225lbf.) is applied 70 ° ±10° to the back at 406mm(16in.) above the seat for 1 minute.	Meet the Requirements	Pass
7	Swivel Test-cyclic (Clause8)		There shall be no loss of serviceability after 120000 cycles of rotation with a 122kg (270lb.) load on the seat (for the seat height is adjustable, test 60000 cycles in its highest position then 60000 cycles in its lowest position).	Meet the Requirements	Pass

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8	Tilt mechanism test—cyclic type I & II (Clause 9)	ANSI/BIFMA X5.1-2017 (R2022)	There shall be no loss of serviceability after moving the mechanism between the front and back stops for 300,000 cycles with a 109kg (240lb.) load on the seat.	Meet the Requirements	Pass
9	Back Durability Test—Cyclic—Type I (Clause 14)		There shall be no loss of serviceability when a force of 445N (100lbf.) is applied 90° ±10° to the seat for 120000 cycles with 109kg (240lbs.) weight on the seat.	Meet the Requirements	Pass
10	Caster/Chair Base Durability Test for Pedestal Base Chairs (Clause 16.1)		There shall be no loss of serviceability after cycling a travel of (762±50)mm ((30±2)in.) for 2,000 cycles over a surface with obstacles and then 98000 cycles over a surface without obstacles with a 122kg (270lb.) load on seat. The caster should not separate under 22N (5lbs.) pulling force.	Meet the Requirements	Pass
11	Arm Durability Test—Cyclic (Clause 20)		There shall be no loss of serviceability when a force of 400N (90lbf.) is applied simultaneously to each arm at a 10° ±1° angle for 60000 cycles.	Meet the Requirements	Pass
12	Base test—Static (Appendix C)		There shall be no sudden and major change in the structural integrity when a compression force of 11120N (2500lbf.) load is applied for 1 minute. The force is then removed and reapplied for 1 minute. The center column may not touch test platform during load applications.	Meet the Requirements	Pass

## (3) Test Result

☒ PASS☐ FAILED☐ faithful representation

## (4) Remarks

Test the stability before and after the national standard.

The ultimate force of the vertical static load of the handrail is 950N, the bracket is broken, and the ultimate force of the horizontal static load is 1271N.

The back strength is 1250N without breaking.

Prepare:

何洋

Audit:

陈陈

Approve:

罗影

Date:

2025/3/4

Date:

2025/3/4

Date:

2025/3/4

## Attached page



----- End of report -----

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  2. If you have any objections to the report, you can apply for reinspection within 15 days after the report is issued;
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