

Report NO. SA202503074

TEST REPORT

(1) Sample information

Sample Description	CHJ69SW	Model:	CHJ69SW
Size	/	Quantity	1PCS
Manufacturer Name	/	Sample Category	CHAIR
Material No.	143100010	Batch No	/
Entrusting Dep.	Research and Development Department Four	Entrusting Date	2025/3/6
Sample(s) condition	FINISHED	Client telephone	13588410747

(2) Testing information

Test Category: Internal Test Test time: 2025-03-06

No.	Test Item	Test Basis	Specification	Test Result	Conclusion
1	Back strength test—static—type I & II (Clasue 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 applied70 ° ±10° to the back at 406mm(16in.) above the seat for 1 minute.	Meet the Requirements	Pass
2	Drop Test Dynamic (Clause7)		Functional Load:There shall be no loss of serviceability when a 102kg(225lb.) weight free falls from 152mm (6in.) height to the center of the seat one time (for the seat height is adjustable, test one time in its highest positon then one time in its lowest position).	Meet the Requirements	Pass
			Proof Load:There shall be no sudden and major change in the structural integrity (loss of serveiceability is acceptable) when a 136kg (300lb.) weight free falls from 152mm (6in.) height to the center of the seat one time (for the seat height is adjustable, test one time in its highest position then one time in its lowest position).	Meet the Requirements	Pass

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No.	Test Item	Test Basis	Specification	Test Result	Conclusion
3	Swivel Test—cyclic (Clause8)	ANSI/BIFMA X5.1—2017 (R2022)	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
4	Tilt mechanism test—cyclic type I & II (Clause 9)		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
5	Seating Durability Tests—Cyclic (Impact Test) (Clause10.3)		There shall be no loss of serviceability after a 57kg (125lbs.) weight free falls onto the seat from 36mm (1.4in.) height for 100000 cycles.	Meet the Requirements	Pass
6	Seating Durability Tests—Cyclic (Front Corner Load-Ease Test —Cyclic —Off-center) (Clause10.4)		There shall be no loss of serviceability after loading two seat front corner with 890N (200lbf.) for 20000 cycles respectively.	Meet the Requirements	Pass
7	Rear Stability Test for Type I & II Chairs (Clause11.3.2)		The chair shall not tip over when applying 13 disks on the seat against backrest support fixture.	Meet the Requirements	Pass
8	Front Stability Test (Clause11.4)		The chair shall not tip over when applying a horizontal outward force of 20N (4.5lbf.) from the seat with a vertical load of 61kg (135lbf.) at a point 60mm (2.4in.) from the front center edge of the load bearing surface of the seat.	Meet the Requirements	Pass

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No.	Test Item	Test Basis	Specification	Test Result	Conclusion
9	Arm Strength Test-Vertical - Static (Clause12)	ANSI/BIFMA X5.1-2017 (R2022)	Functional load:There shall be no loss of serviceablity when a force of 750N (169lbf.) is applied vertically to the armrest 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 1125N (253lbf.) is applied vertically to the armrest for 15s.	Meet the Requirements	Pass
10	Arm Strength Test-Horizontal -Static (Clause13)		Functional load:There shall be no loss of seviceability when a force of 445N (100lbf.) is applied horizontally outward to the armrest for 1 minute.	Meet the Requirements	Pass
			Proof load:There shall be no sudden and major change in the structural integrity (loss of serviceablity is acceptable) when a force of 667N (150lbf.) is applied horizontally to the armrest for 15s.	Meet the Requirements	Pass
11	Back Durability Test-Cyclic -Type I (Clause14)		There shall be no loss of seviceability when a force of 445N (100lbf.) is appiled 90° ±10° to the seat for 120000 cyles with 109kg (240lbs.) weight on the seat.	Meet the Requirements	Pass
12	Caster/Chair Base Durability Test for Pedestal Base Chairs (Clause16.1)		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 withobstacles and then 98000 cycles over a surface withoutobstacles with a 122kg (270lb.) load on seat. The caster shouldnot separate under 22N (5lbs.) pulling force.	Meet the Requirements	Pass
13	Arm Durability Test- Cyclic (Clause20)		There shall be no loss of serviceablity when a force of 400N (90lbf.) is applied simultaneously to each arm at a 10° ±1° angle for 60000 cycles.	Meet the Requirements	Pass

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No.	Test Item	Test Basis	Specification	Test Result	Conclusion
14	Base test-Sttic (Appendix C)	ANSI/BIFMA X5.1- 2017 (R2022)	There shall be no sudden and major change in the structual 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 paltform during load applications.	Meet the Requirements	Pass

(3) Test Result

☒ PASS

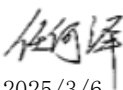
☐ FAILED

☐ faithful representation

(4) Remarks

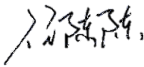
Back strength test 1250N unbroken.

Prepare:




Date: 2025/3/6

Audit:



Date: 2025/3/6

Approve:



Date: 2025/3/6

Attached page



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

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