

Rerport NO. SA202504172

TEST REPORT

(1) Sample information

Sample Description:	Waterfalls	Model:	CWT10GR
Size:	500*525*785	Quantity:	1PCS
Manufacturer Name:	/	Sample Category	chair
Material No:	143000002	Batch No:	/
Entrusting Dep:	R&D departments 4	Entrusting Date:	2025/4/16
Sample(s) condition:	finished		

(2) Testing information

Test Category: Internal Test Test time: 2025-03-12 ~ 2025-04-14

No.	Test Item	Test Basis	Specification	Test Result	Conclusion
1	Backrest Strength Test-Static -Type III (Clause6)		Functional Load:There shall be no loss of seviceability when a force of 667N(150lbf.) is applied 90° ±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 90° ±10° to the back at 406mm (16in.) above the seat for 1 minute.	Meet the requirements	pass
2	Drop Test Dynamic (Clause7)	ANSI/BIFMA X5.1-2017 (R2022)	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 serviceability 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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3	Seating Durability Tests- Cyclic (Impact Test) (Clause10.3)	ANSI/BIFMA X5.1-2017 (R2022)	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
4	Rear Stability Test for Type III Chairs (Clause11.3)		It should not be tipped over	No tipping	pass
5	Front Stability Test (Clause11.4)		It should not be tipped over	No tipping	pass
6	Back Durability Test-Cyclic-Type II & III (Clause15)		There shall be no loss of seviceability when a force of 334N (75lbf.) is appiled 90° ±10° to the back at 406mm (16in.) above the seat for 120000 cyles with 109kg (240lbs.) weight on the seat.	Meet the requirements	pass
7	Leg Strength Test-front and side application (clause 17)		1.Front load test: a.Functional Load:There shall be no loss of serviceability when a horizontal rearward force of 334N (75lbf.) is applied inward to each front leg individually for 1minute.	Meet the requirements	pass
		B.Proof Load:There shall be no sudden and major change in the structural integrity (loss of serviceability is acceptable) when a horizontal rearward force of 503N(113lbf.) is applied inward to each front leg individually for 1 minute.	Meet the requirements	pass	

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8	Leg Strength Test-front and side application (clause 17)	ANSI/BIFMA X5.1-2017 (R2022)	2.Side load test: a.Functional Load:There shall be no loss of serviceability when a horizontal sideward force of 334N (75lbf.) is applied inward to each front leg and rear leg individually for 1 minute.	Meet the requirements	pass
			B.Proof Load:There shall be no sudden and major change in the structural integrity (loss of serviceability is acceptable) when a horizontal rsideward force of 503N(113lbf.) is applied inward to each front and rear leg individually for 1 minute.	Meet the requirements	pass

(3) Test Result

☒ PASS

☐ FAILED

☐ faithful representation

(4) Remarks

This report is consolidated by SA202503221, SA202503320, SA202504072.

Prepare:

張泽斌

Audit:

罗影

Approve:

罗影

Date:

2025/4/21

Date:

2025/4/21

Date:

2025/4/21

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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