Rerport NO. SA202408213

TEST REPORT

(1) Sample information

Sample Description	MOTTO	Model:	/
Size	/	Quantity	1
Manufacturer Name	Sunon Technology Co., Ltd.	Sample Category	Others
Material No.	/	Batch No	/
Entrusting Dep	/	Entrusting Date	2024-08-27
Sample(s) condition	/		

(2) Testing information

Test Category: Internal Test Test time: 2024-02-07 ～ 2024-03-14

No.	Test Item	Test Basis	Specification	Test Result	Conclusion
1	Chair back strength test-static Load-class III chair (functional load)-（clause 6)	ANSI/BIFMA X5.1-2017	A force of 667N (150lbf) was applied to the back of the chair at a 90 ° ± 10 ° angle at a height of 406mm (16in.) From the seat for 1 min, with no loss of useful function after the test.	Meet the requirements	pass
2	Chair back strength test-static Load-class III chair (Verification Load)（clause 6)		A force of 1001N (225lbf) was loaded into the backrest at a 90 ° ± 10 ° angle at a height of 406 mm (16 in.) From the seat back for 1 min, with no sudden and significant changes in structural integrity after the test (allowing for loss of useful function)	Meet the requirements	pass
3	Impact test-dynamic (functional loading)-LRB-（clause 7)		The 102 kg (225 lb.) Weight test bag dropped freely at a height of 152 mm (6 in.) From the seat surface in the center of the seat (when the seat height was adjustable, the adjustment of the seat height was tested once at the highest and lowest positions respectively) , there shall be no loss of useful function after the test.	Meet the requirements	pass

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4	Impact test-dynamic - (Verification Load) (clause 7)	ANSI/BIFMA X5.1-2017	The 136 kg (300 lb.) Weight test bag was dropped freely at a height of 152 mm (6 in.) From the seat surface in the center of the seat (when the seat height was adjustable, the adjustment of the seat height was tested once at the highest and lowest positions respectively) , there shall be no sudden or noticeable change in the structural integrity (allowing loss of useful function) after the test.	Meet the requirements	pass
5	Seat durability test-cycle (impact test)-（clause 10.3)		A 57 kg (125 lbs.) Test bag falling from a height of 36 mm (1.4 in.) On the seat is subjected to 100,000 repeated shocks without loss of useful function after the test.	Meet the requirements	pass
6	Seat endurance test-cyclic (front corner loading-fatigue test-cyclic-eccentric) (clause 10.4)		A force of 890N (200lbf) is applied 20,000 times to the two corners of the front end of the seat face, with no loss of useful function after the test.	Meet the requirements	pass
7	Class III Chair Backward Stability Test -（clause 11.3.1)		6 round weights are placed on the chair surface and pressed against the back of the chair. Horizontal force is exerted on the top weight 6mm (0.25 in.) downwards. The chair should not tip over. Horizontal force calculation: H ≥710mm, F = 93N; H＜710mm, f = 0.1964(1195-H) , in which, after placing six round weights on the h-seat, the height of the seat measured at the front end of the lower surface of the lowest weight was measured.	Meet the requirements	pass
8	Backward Stability Test for Class I and II chairs (clause 11.3.2)		Place 13 round weights against the seat back. The seat should not tip over.	Not applicable	/

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No.	Test Item	Test Basis	Specification	Test Result	Conclusion
9	Forward stability (clause 11.4)	ANSI/BIFMA X5.1-2017	Load 61 kg (135 lbf.) Vertically on the seat surface 60 mm (2.4 in.) From the front load edge, apply 20 N (4.5 lbf.) Horizontally from the seat, and the seat should not tip over.	Meet the requirements	pass
10	Chair back endurance test-cycle-class II and III chairs (clause 15)		A force test of 120,000 loads of 334N (75 lbf.) At a seat-back angle of 90 ° ± 10 ° at a height of 406 mm (16 in.) From a seat-surface load of 109 kg (240 lbs.) Should be performed without loss of useful function after the test.	Meet the requirements	pass
11	Chair leg strength test (forward loading) (functional loading) (clause 17.3)		An inward 334N (75lbf) horizontal backward force was applied separately on each front leg of the chair for 1 minute, with no loss of useful function after the test	Meet the requirements	pass
12	Leg strength test (Forward Loading) (Verification Load) (Article 17.3)		503N(113lbf) inwards The horizontal backward force is maintained on the front leg of each seat for 1 minute, and there should be no abrupt and noticeable changes in the structural integrity after the test (loss of useful function is allowed).	Meet the requirements	pass
13	Leg strength test (Sideloading) (Functional Load) (Article 17.4)		334N(75lbf.) applied inwards respectively The horizontal lateral force is maintained on one of the front and rear legs of the seat for 1 minute, and there should be no loss of useful function after the test.	Meet the requirements	pass
14	Leg strength test (Sideloading) (Verification Load) (Article 17.4)		503N(113lbf) inwards The horizontal lateral force is maintained on one of the front legs and one of the hind legs of the seat for 1 minute, and there should be no abrupt and noticeable changes in the structural integrity after the test (loss of useful function is allowed).	Meet the requirements	pass

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No.	Test Item	Test Basis	Specification	Test Result	Conclusion
15	Structural Durability Test - Cycle (Clause 24)		Load 109 kg (240 lb.) in seat center position Load, 334 N (75 lbf.) at the midpoint of the seat side, 25,000 tests, with no loss of useful function after the test. A cycle consists of the application and removal of an outward load and an application and removal of an inward load.	Meet the requirements	pass

(3) Test Result

■ PASS ☐ FAILED ☐ faithful representation

(4) Remarks

报告由SA202403154翻译

Prepare: 张泽斌 Audit: 张陈陈 Approve: 罗影

Date: 2024/8/28 Date: 2024/8/28 Date: 2024/8/29

Attached page


接收样品 - 图 1


接收样品 - 图 2


接收样品 - 图 3


接收样品 - 图 4

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

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Furniture and Material Testing Center of SUNON Technology Co., Ltd
Building 6, No. 1666, Zhixing Road, Qiaonan Block, Xiaoshan Economic and Technological Development Zone, Xiaoshan District, Hangzhou City, Zhejiang Province