

## TEST REPORT

Report No.: HL70321A/2020

Page 1 of 3 Date : SEP. 23, 2020

## CHUAN LIN WANG CO., LTD.

No.135, Kung Yuan Road, Shia Yin District, Tainan City, Taiwan

The following merchandise was submitted and identified by the applicant as:

**Product Description:** Office Chair

Style/Item No.: Therapod XHR(D109)

We have tested the submitted sample(s) as requested and the following results were obtained:

Type of chair: TYPE I, Tilting chair (with tilt locks, locking the chair changes to type III,

fixed seat angle, fixed backrest)

Test Requested: For compliance with ANSI/BIFMA X5.1-2017 General-Purpose Office

Chairs-Tests

Clause 5 Back Strength Test - Static - Type I & II Clause 10 Seating Durability Test – Cyclic Clause 12 Arm Strength Test Vertical – Static

Clause 13 Arm Strength Test Horizontal – Static

Test Methods: According to test procedures of ANSI/BIFMA X5.1-2017

---See following sheet(s)---**Test Results:** 

Date of Receipt: Jul. 17, 2020

Testing Period: Jul. 17, 2020 Sep. 17, 2020

Conclusion: The submitted sample(s) **complies with** Clause 5, 10, 12 and 13 of

ANSI/BIFMA X5.1-2017 General-Purpose Office Chairs-Tests.

Signed for and on behalf of SĞS Taiwan Ltd.

Stan Yang Team Leader

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SGS Taiwan Ltd.
No.127, Wu Kung Road, New Taipei Industrial Park, New Taipei City, Taiwan /新北市新北產業園區五工路 127號



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Evaluation	Citation/Method	Criteria	Results	Rating
PERFORMANCE				
Back Strength Test - Static - Type I & II - Functional Load	ANSI/BIFMA X5.1-2017 Clause 5.4.1	No structural breakage or loss of serviceability when 150 lb (667 N) is applied for 1 min. applied to 70° from back at 16 in above the seat. If the back is less than 17.8 in, the load is applied at the top of the back.		Pass
Back Strength Test - Static - Type I & II - Proof Load	ANSI/BIFMA X5.1-2017 Clause 5.4.2	No sudden and major change in the structural integrity (Loss of serviceability is acceptable) when 225 lb (1001 N) is applied for 1 min. applied to 70° from back at 16 in above the seat. If the back is less than 17.8 in, The load is applied at the top of the back.		Pass
Impact Test – Cyclic	ANSI/BIFMA X5.1-2017 Clause 10.3	No loss of serviceability in 100,000 cycles impact. A weight of 57 kg (125 lbs.) free falls onto the seat from 1.4 in. height.		Pass
Front Corner Load Ease Test – Cyclic – off Center	ANSI/BIFMA X5.1-2017 Clause 10.4	No loss of serviceability after 20,000 cycles to both front seat corners from a 890 N (200 lbs.) load positioned flush to both outer edges applied without impact for a total of 40,000 cycles Note: this test is done after "Impact test" on the same sample.		Pass
Arm Strength Test Vertical – Static – Functional Load	ANSI/BIFMA X5.1-2017 Clause 12.4	No loss of serviceability when 750 N (169 lbs.) is applied for 1 min. The vertical load is uniformly applied along a 127 mm (5 in.) length at the apparent weakest point.	M	Pass
Arm Strength Test Vertical - Static - Proof Load	ANSI/BIFMA X5.1-2017 Clause 12.4	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 1125 N (253 lbs.) is applied for 15 sec. The vertical load is uniformly applied along a 127 mm (5 in.) length at the apparent weakest point.	М	Pass
Arm Strength Test - Horizontal – Static – Functional Load	ANSI/BIFMA X5.1-2017 Clause 13.4	No loss of serviceability when 445 N (100 lbs.) for 1 min. is applied horizontally outward to the armrest at the most forward point of the armrest.	М	Pass
Arm Strength Test - Horizontal – Static - Proof Load	ANSI/BIFMA X5.1-2017 Clause 13.4	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 667 N (150 lbs.) for 15 sec. is applied horizontally outward to the armrest at the most forward point of the armrest.	М	Pass

Results Kev:

results ite;					
M	Meets	N/M	Does Not Meet		
N/A	Not Applicable	N/T	Not Tested		
С	Claimed	R	Recorded		

Rating Key:
Pass
Fail

#### Note:

- 1. The content of this report is invalid if it is not presented as the entire report.
- 2. The statement of conformity is based on the test results, but does not include the measurement uncertainty.

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### - Pictures -

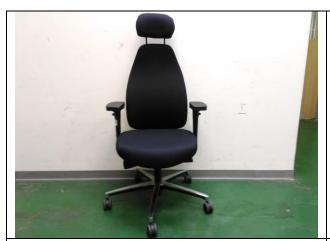


Photo A: Appearance of the sample - front



Photo B: Appearance of the sample - side



Photo C: Appearance of the sample - back



Photo D: Type(s) of the chair

---End of Report---

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