

TEST REPORT

Hardline Laboratory

Report No. : HL40204/2021

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Date : MAY 14, 2021

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.: B1

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 14 Back Durability Test – Cyclic – Type I

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

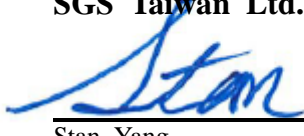
Test Results: ---See following sheet(s)---

Date of Receipt : Apr. 14, 2021

Testing Period : Apr. 14, 2021 ~ May 14, 2021

Conclusion: The submitted sample(s) **comply with** Clause 5, 10 and 14 of ANSI/BIFMA X5.1-2017 General-Purpose Office Chairs-Tests.

Signed for and on behalf of
SGS Taiwan Ltd.


Stan Yang
Team Leader



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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.	M	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.	M	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.	M	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.	M	Pass
Back Durability Test – Cyclic – Type I	ANSI/BIFMA X5.1-2017 Clause 14	No loss of serviceability in 120,000 cycles with a 109 kg (240 lbs.) in the center of the seat and a 445 N (100 lbf.) 90° to the center of the chair back. For chairs with a back width greater than 406 mm (16 in.), test at the center of chair back for 80,000 cycles and then 102 mm (4 in.) off-center 40,000 cycles, half to each side.	M	Pass

Results Key:

M	Meets	N/M	Does Not Meet
N/A	Not Applicable	N/T	Not Tested
C	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.

– Pictures –



Photo A: Appearance of the sample - front



Photo B: Appearance of the sample - side

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– Pictures –



Photo C: Appearance of the sample - back

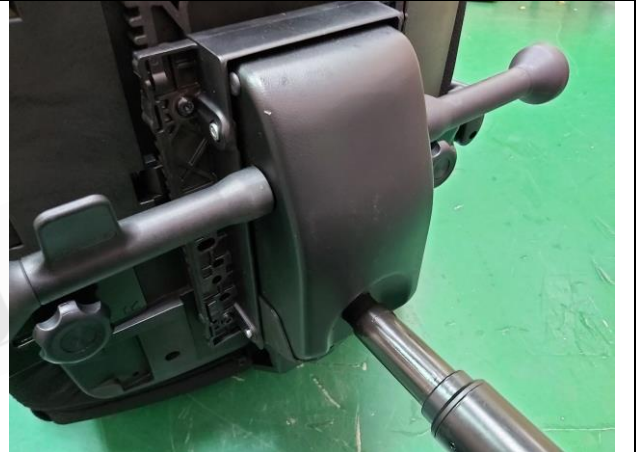


Photo D: Type(s) of the chair

---End of Report---