

TEST REPORT

Report No. : HL70322/2020 Page : 1 of 3 Date : SEP. 22, 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 (Epron RV)						
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)						
<u>Test Requested:</u>	Refer to 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 Clause 14 Back Durability Test – Cyclic – Type I (mod.)(test center position only)						
Test Methods:	Refer to test procedures of ANSI/BIFMA X5.1-2017						
Test Results:	See following sheet(s)						
Date of Receipt :	Jul. 17, 2020						
<u>Testing Period</u> :	Jul. 17, 2020 ~ Sep. 17, 2020						

Signed for and on behalf of SGS Taiwan Ltd.

Stan Yang Team Leader

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Scs 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 to 886-2) 2299-2920 www.tw.sgs.com
t (886-2) 2299-3279 f (886-2) 2299-2920 www.tw.sgs.com
the full set of the content or appearance of the same test of the same t



TEST REPORT

Report No. : HL70322/2020

Page

: 2

of 3

		Page 2	10	3
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.	М	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.	М	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.	М	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.	М	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
Back Durability Test – Cyclic – Type I	ANSI/BIFMA X5.1-2017 Clause 14 (mod.) (test center position only)	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.	М	Pass

Result	s Key:		
М	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.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Scs 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 to 886-2) 2299-2920 www.tw.sgs.com
t (886-2) 2299-3279 f (886-2) 2299-2920 www.tw.sgs.com
the full set of the content or appearance of the same test of the same t



TEST REPORT

Report No.	:	HL7	0322/2	2020
Page	:	3	of	3

- Pictures -



---End of Report---

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com.tw/Terms-and-Conditions and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com.tw/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
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
t (886-2) 2299-3279 f (886-2) 2299-2920
www.tw.sgs.com
to the fullest extent of the law.