

Test Report

No.: 70.404.22.10529.01

Date: 2022-12-06

Applicant: ZHEJIANG RUNDA KEHONG FURNITURE CO.,LTD
Address: BUILDING 1, FAN TAN INDUSTRIAL ZONE, LING FENG STREET, ANJI COUNTY, ZHEJIANG PROVINCE, CHINA
Product Name: OFFICE CHAIR
Model Name: STAR
Country of Origin: CHINA
Country of Destination: USA
Receipt Date of Sample: 2022-09-20; 2022-11-24
Date of Testing: 2022-09-20 to 2022-12-02
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Test Item

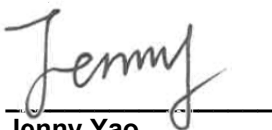
Conclusion

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

Pass

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
Testing Center

Prepared by:



Jenny Yao
Technical Engineer

Authorized by:



Sawyer Tang
Technical Manager



Note:

- (1) The TÜV SÜD Certification and Testing (China) Co., Ltd. "General Terms & Conditions" applied. Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see "Testing and certification regulation", chapter A-3.4
For full version, please visit: EN : <https://www.tuvsud.cn/zh-cn/resource/terms-and-conditions---en> ; SCN: <https://www.tuvsud.cn/zh-cn/terms-and-conditions> ; TCN: <https://www.tuvsud.com/zh-tw/terms-and-conditions>
- (2) The results relate only to the items tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory
- (4) **Disclaimer Measurement Uncertainty:**
Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

Description of Tested Subject:

1	Product Description	OFFICE CHAIR
2	Dimensions / Weight	D700~1007 x W716~800 x H1220~1358(mm) / 22.0(kg)
	Dimensions / Weight – base	R350 x H133 (mm) / 2.3 (kg)
3	Type of Chairs	Type I, Type III
Front view		Front view
		
Side view		Back view
		



Test Result(s):

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

Item	Requirement-test item	Result, Remark	Evaluation
3	General		-
4	Types of Chairs	Type I, Type III	-
5	Backrest Strength Test - Static - Type I	Functional Load: 667 N (150 lbf.) Cycle: 1×1 min Proof Load: 1001 N (225 lbf.) Cycle: 1×1 min	P
6	Backrest Strength Test - Static - Type II & III	Functional Load: 667 N (150 lbf.) Cycle: 1×1 min Proof Load: 1001 N (225 lbf.) Cycle: 1×1 min	P
7	Drop Test - Dynamic	Functional Load Test: The highest position: Weight: 102 kg (225 lb.) Height: 152 mm (6 in.) Cycle: 1 The lowest position: Weight: 102 kg (225 lb.) Height: 152 mm (6 in.) Cycle: 1 Proof Load Test: The highest position: Weight: 136 kg (300 lb.) Height: 152 mm (6 in.) Cycle: 1 The lowest position: Weight: 136 kg (300 lb.) Height: 152 mm (6 in.) Cycle: 1	P
8	Swivel Test - Cyclic	The highest position: Load: 122 kg (270 lb.) Cycle: 60,000 The lowest position: Load: 122 kg (270 lb.) Cycle: 60,000	P
9	Tilt Mechanism Test - Cyclic	Load: 109 kg (240 lbs.) Cycle: 300,000	P

Test Report

No.: 70.404.22.10529.01

Date: 2022-12-06



10	Seating Durability Tests – Cyclic		P
	Impact Test	Drop Weight: 57 kg (125 lb.) Height: 36 mm (14 in.) Cycle: 100,000	P
	Front Corner Load-Ease Test – Cyclic – Off-center	Load: 890 N (200 lbf.) Cycle: 40,000	P
11	Stability Tests		P
	Rear Stability		P
	Rear Stability Test for Type III Chairs		P
	Rear Stability Test for Type I and II Chairs		P
	Front Stability		P
12	Arm Strength Test - Vertical - Static	Functional Load: 750 N (169 lbf.) Cycle: 1×1 min Proof Load: 1125 N (253 lbf.) Cycle: 1×1 min	P
13	Arm Strength Test - Horizontal - Static	Functional Load: 445 N (100 lbf.) Cycle: 1×1 min Proof Load: 667 N (150 lbf.) Cycle: 1×1 min	P
14	Backrest Durability Test - Cyclic - Type I	Seat Load: 109 kg (240 lbs) Back Load: 445 N (100 lbf.) Cycle: 120,000	P
15	Backrest Durability Test - Cyclic - Type II and III	Seat Load: 109 kg (240 lbs.) Back Load: 334 N (75 lbf.) Cycle: 120,000	P
16	Caster/Chair Base Durability Test - Cyclic		P
	Caster/Chair Base Durability Test for Pedestal Base Chairs	Seat Load: 122 kg (270 lb.) Cycle on the surface with obstacles: 2,000 Cycle on the surface without obstacles: 98,000 Pull force: 22 N (5 lbf.)	P
	Caster/Chair Frame Durability Test for Non-pedestal Chairs with Casters		N/A
17	Leg Strength Test - Front and Side Application		N/A
	Front Load Test		N/A
	Side Load Test		N/A
18	Footrest Static Load Test - Vertical		N/A
19	Footrest Durability Test - Vertical - Cyclic		N/A
20	Arm Durability Test - Cyclic	Load: 400 N (90 lbf.) Cycle: 60,000	P
21	Out Stop Tests for Chairs with Manually	Seat load: 74kg (163lb)	P

Test Report**No.: 70.404.22.10529.01****Date: 2022-12-06**

	Adjustable Seat Depth	Hang weight: 25kg (55lb)	
22	Tablet Arm Chair Static Load Test		N/A
23	Tablet Arm Chair Load Ease Test - Cyclic		N/A
24	Structural Durability Test - Cyclic		N/A
Appendix C	Base Test - Static	Force: 11,120 N (2500 lbf.) Cycle: 2×1min	P
Appendix H	Simultaneous Side Legs Strength Test		N/A

Abbreviation: P=Pass; F=Fail; N/A = Not Applicable; N/T=Not Tested; N/R=Not Requested**Remark:** 1. The sample has been examined according to the requirements described in the product standard.

-End of Test Report-

