

Test Report **No.:** **70.404.21.21969.01-00**
Dated: **2021-11-19**

Applicant: ZHEJIANG RUNDA KEHONG FURNITURE CO., LTD
Address: Building 1, Fan Tan Industrial Zone, Ling Feng Street, Anji County,
 Zhejiang Province, China
Sample Submission: The samples were submitted by applicant and identified.
Product Name: OFFICE CHAIR
Identification/Style No.: Sharp
Manufacturer: Same as applicant
Country of Origin: CHINA
Export to: USA
Receipt Date of Sample: 2021-09-13
Date of Testing: From 2021-09-13 to 2021-11-17
Test Result: Refer to the data listed in following pages.

Test Specification(s) or Test Item(s):


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


Conclusions:

Pass

Hardline Laboratory





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

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Designated Reviewer

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2) 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. 3) The conclusion of test result was drawn according to corresponding regulation or standard method and/ or client's requirement

Description of the test subject:

1	Product Description	OFFICE CHAIR
2	Dimensions / Weight	D665 x W678 x H1210-1307 (mm) / 15.7(kg)
3	Base Dimensions / Weight	R345 x H152 (mm) / 1.9 (kg)
Front view		Side view
		
Back view		Bottom view
		

Test Results:

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 & III	-
5	Backrest Strength Test - Static - Type I	Functional Load: 667 N (150 lbf.) Cycle: 1x1 min Proof Load: 1001 N (225 lbf.) Cycle: 1x1 min	P
6	Backrest Strength Test - Static - Type II & III	Functional Load: 667 N (150 lbf.) Cycle: 1x1 min Proof Load: 1001 N (225 lbf.) Cycle: 1x1 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

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9	Tilt Mechanism Test - Cyclic	Seat Load: 109 kg (240 lbs.) Cycle: 300,000	P
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: 1x1 min Proof Load: 1125 N (253 lbf.) Cycle: 1x1 min	P
13	Arm Strength Test - Horizontal - Static	Functional Load: 445 N (100 lbf.) Cycle: 1x1 min Proof Load: 667 N (150 lbf.) Cycle: 1x1 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 Adjustable Seat Depth		N/A
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 A	Base Test - Static	Force: 11,120 N (2500 lbf.) Cycle: 2x1min	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 minimum requirements described in the product standard.

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

