

# Test Report

No.: 68.190.20.0644.01-00

Dated: 2020-08-05



**Applicant:** B.one Furniture Company Limited  
**Address:** No.3 Youyi road, Gaoli industry area, Qinghutou village, Tangxia Town, Dongguan city, Guangdong province.  
**Sample Submission:** The sample was submitted by applicant and identified.  
**Product Name:** Office Chair  
**Order No.:** ----  
**Identification/Style No.:** BJ053  
**Manufacturer:** B.one Furniture Company Limited  
**Country of Origin:** ----  
**Buyer:** ----  
**Export to:** ----  
**Receipt Date of Sample:** 2020-06-24  
**Date of Testing:** From 2020-06-24 to 2020-08-05  
**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.  
Shenzhen Branch

Tested By:

*Rookie Wen*

Rookie Wen  
Test Engineer



Reviewed By:

*Harry Nie*

Harry Nie  
Project Manager

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Laboratory:  
No.11, Jukeng Rd., Juling Village, Jutang District, Guanlan, Longhua New District, Shenzhen, 518110, P.R.China

Telephone : +86 755 8828 6998  
Telefax : +86 755 8828 5299  
<http://www.tuv-sud.cn>

Regd. Office:  
TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch, TÜV SÜD Group Building 12 & 13, Zhiheng Wisdomland Business Park, Nantou Checkpoint Road 2, Nanshan District, Shenzhen 510656, P.R. China

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## Description of the test subject:

1	Product Description	BJ053
2	Dimensions / Weight	H x W x D (mm): 1163~1223 x 715 x 725 Weight (kg): 23.40
3	Intended use	Office use
4	Product material	Metal, plastic, foam
Front view		Side view
		
Back view		Bottom view
		

Sample preparation: the sample was stored in indoor ambient conditions for 24h  
 Test condition: 23~25°C 50~55%RH

## Test Results:

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

Clause	Requirement -Test	Measuring result- Remark	Verdict
1	Scope		/
2	Definitions		/
3	General		/
4	Type of Chairs	Type I & II & III	/
5	Backrest Strength Test - Static- Type I and II		P
	Functional Load	Force: 667N Time: 1min	P
	Proof Load	Force: 1001N Time: 1min	P
6	Backrest Strength Test - Static- Type III		P
	Functional Load	Force: 667N Time: 1min	P
	Proof Load	Force: 1001N Time: 1min	P
7	Drop test-Dynamic		P
	Functional Load Test	Drop weight: 102kg Drop height: 152mm	P
	Proof Load Test	Drop weight: 136kg Drop height: 152mm	P
8	Swivel test-Cyclic	Load: 122kg Cycles: 120000	P
9	Tilt Mechanism Test-Cyclic	Load: 109kg Cycles: 300000	P
10	Seating Durability Tests-Cyclic		P
	Impact Test	Impact weight: 57kg Cycles: 100000	P
	Front Corner Load-Ease Test – Cyclic – Off-center	Force: 890N Cycles: 20000/Corner	P
11	Stability Tests		P
	Rear Stability Test for Type III Chairs	Seat height in lowest: H <sub>1</sub> =420mm F <sub>R</sub> =152N F <sub>U</sub> =330N  Seat height in lowest: H <sub>1</sub> =480mm F <sub>R</sub> =140N F <sub>U</sub> =310N	P
	Rear Stability Test for Type I and II Chairs	Fulfilled	P
	Front Stability Test	F=65N	P

Clause	Requirement -Test	Measuring result- Remark	Verdict
12	<b>Arm Strength Test - Vertical - Static</b>		P
	Functional Load	Force: 750N Time: 1min	P
	Proof Load	Force: 1125N Time: 15s	P
13	<b>Arm Strength Test - Horizontal - Static</b>		P
	Functional Load	Force: 445N Time: 1min	P
	Proof Load	Force: 667N Time: 15s	P
14	<b>Backrest Durability Test - Cyclic - Type I</b>	Force: 445N Cycles: 120000	P
15	<b>Backrest Durability Test - Cyclic - Type II and Type III</b>	Force: 334N Cycles: 120000	P
16	<b>Caster/Chair Base Durability Test - Cyclic</b>	Loading: 122kg Cycles over the obstacles: 2000 Cycles on a smooth: 98000	P
17	<b>Leg strength Test - Front and Side Application</b>		N/A
	Front Load Test-Functional Load Test	Force: 334N Time: 1min	N/A
	Front Load Test-Proof Load Test	Force: 503N Time: 1min	N/A
	Side Load Test-Functional Load Test	Force: 334N Time: 1min	N/A
	Side Load Test-Proof Load Test	Force: 503N Time: 1min	N/A
18	<b>Footrest Static Load Test - Vertical</b>	No foot rest	N/A
	Functional Load	F: 890N Time: 1min	N/A
	Proof Load	F: 1334N Time: 1min	N/A
19	<b>Footrest Durability Test - Vertical - Cyclic</b>	F: 890N Cycles: 50000	N/A
20	<b>Arm Durability Test - Cyclic</b>	F: 400N Cycles: 60000	P
21	<b>Out Stop Tests for Chairs with Manually Adjustable Seat Depth</b>	Attached weight: 25kg Load: 74kg Cycles: 25  No manually adjustable seat	N/A
22	<b>Tablet Arm Chair Static Load Test</b>	Load: 68kg Time: 1min	N/A

Clause	Requirement -Test	Measuring result- Remark	Verdict
23	Tablet Arm Chair Load Ease Test - Cyclic	Load: 25kg Cycles: 100000	N/A
24	Structural Durability	Load: 109kg Force: 334N Cycles: 25000  With casters	N/A
Appendix C	Base Test - Informative	Force: 11120N Time: 1min	P

**Abbreviation:** P=Pass; 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.
2. All the tests were based on submit samples.

-End of Test Report-

