

Test Report

No.: 68.190.20.4385.01-00

Dated: 2020-11-20



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: Barstool Chair
Order No.: ----
Identification/Style No.: D321W
Manufacturer: ----
Country of Origin: ----
Buyer: ----
Export to: ----
Receipt Date of Sample: 2020-11-03
Date of Testing: From 2020-11-03 to 2020-11-20
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

Note: (1) "General Terms & Conditions" applied. For full version, please visit: <http://www.tuv-sud.cn/cn-scn/terms-and-conditions>
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





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

Page 1 of 5

Description of the test subject:

1	Product Description	Barstool Chair
2	Dimensions / Weight	H x W x D (mm): 868~1109 x 532 x 565 Weight (kg): 13.19
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 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	N/A
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	Fulfilled	P
	Rear Stability Test for Type I and II Chairs	Type II & III	P
	Front Stability Test	Fulfilled	P
12	Arm Strength Test - Vertical - Static		P
	Functional Load	Force: 750N Time: 1min	P
	Proof Load	Force: 1125N Time: 15s	P
13	Arm Strength Test - Horizontal - Static		P
	Functional Load	Force: 445N Time: 1min	P
	Proof Load	Force: 667N	P

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

Test Report

No.: 68.190.20.4385.01-00

Dated: 2020-11-20



Clause	Requirement -Test	Measuring result- Remark	Verdict
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-

