

Test Report **No.:** 64.190.22.3122.01-00
Dated: 2022-12-19

Applicant: B.one Furniture Company Limited
Address: No.1&3 Youyi Road,Qinghutou,Tangxia Town,Dongguan City,Guangdong Province,China
Sample Submission: The sample was submitted by applicant and identified.
Product Name: Office chair
Order No.: /
Identification/Style No.: D265
Manufacturer: /
Country of Origin: /
Buyer: /
Export to: /
Receipt Date of Sample: 2022-11-22
Date of Testing: From 2022-11-22 to 2022-12-18
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. Guangzhou Branch Testing Center

Tested By: Knight Li

Knight Li
Project Handler

Reviewed By: Rookie Wen

Rookie Wen
Designated Reviewer

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Description of the test subject:

1	Product Description	Office chair
2	Dimensions / Weight	H x W x D (mm): 1005~1305 x 710 x 727~965 Weight (kg): 15.36
3	Intended use	Office use
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 & III	/
5	Backrest Strength Test - Static- Type I and II		/
	Functional Load	Force: 667N Time: 1min	P
	Proof Load	Force: 1001N Time: 1min	P
6	Backrest Strength Test - Static- Type III		/
	Functional Load	Force: 667N Time: 1min	P
	Proof Load	Force: 1001N Time: 1min	P
7	Drop test-Dynamic		/
	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		/
	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		/
	Rear Stability Test for Type III Chairs	Fulfilled	P
	Rear Stability Test for Type I and II Chairs	Fulfilled	P
	Front Stability Test	Fulfilled	P
12	Arm Strength Test - Vertical - Static		/
	Functional Load	Force: 750N Time: 1min	P
	Proof Load	Force: 1125N Time: 15s	P
13	Arm Strength Test - Horizontal - Static		/
	Functional Load	Force: 445N Time: 1min	P
	Proof Load	Force: 667N Time: 15s	P
14	Backrest Durability Test - Cyclic - Type I	Force: 445N Cycles: 120000	P
15	Backrest Durability Test - Cyclic - Type II and Type III	Force: 334N Cycles: 120000	P

Clause	Requirement -Test	Measuring result- Remark	Verdict
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		/
	Functional Load	F: 890N Time: 1min	N/A
	Proof Load	F: 1334N Time: 1min	N/A
19	Footrest Durability Test - Vertical - Cyclic	F: 890N Cycles: 50000	N/A
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
Appendix C	Base Test - Informative	Force: 11120N Time: 1min	P

Remark:

1. Abbreviation: P=Pass; N/A = Not Applicable; N/T=Not Tested; N/R=Not Requested
2. All the tests were based on the submitted samples.
3. Clause(s) with the symbol “/” in the result refers to the result(s) of this sub-clause(s).

-End of Test Report-