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Technical Report No. 68.190.19.2114.01

Rev. 00

Dated 2019-07-02

Client: B.one Furniture Company Limited
No.3 Youyi road, Gaoli industry area, Qinghutou village, Tangxia town, Dongguan city, Guangdong province.

Manufacturing place: B.one Furniture Company Limited
No.3 Youyi road, Gaoli industry area, Qinghutou village, Tangxia town, Dongguan city, Guangdong province.

Test subject: Product: OFFICE CHAIR
Article No.: D00216DH

Test specification: BIFMA X5.1: 2017 General-Purpose Office Chairs-Tests

Purpose of examination:

- Test according to the test specification

Test result: **PASS**
The test results show that the presented product follows the specified requirements.

TPS_GCN_F_09.20E – Rev. 1 2012-10-29

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1 Description of the test subject

1.1 Function

Manufacturer's specification for intended use: This furniture is for Office Use.

1.2 Consideration of the foreseeable misuse

- ☒ Not applicable
- ☐ Covered through the applied standard
- ☐ Covered by the following comment
- ☐ Covered by attached risk analysis

1.3 Technical Data

Product :	OFFICE CHAIR
Article No. :	D00216DH
Total weight : (kg)	19.03
Overall Dim. : (mm)	H 1109~1220 x W 695 x D 718



2 Order

2.1 Date of Purchase Order, Customer's Reference

2019-06-19.

2.2 Receipt of Test Sample, Location

2019-06-19, TÜV SÜD Certification and Testing (China) Co., Ltd. GuanLan Lab
No.11, Jukeng Rd., Juling Village, Jutang District, Guanlan, Longhua New District, Shenzhen,
518110, P.R.China.

2.3 Date of Testing

From 2019-06-19 to 2019-07-02.

2.4 Location of Testing

TÜV SÜD Certification and Testing (China) Co., Ltd. GuanLan Lab
No.11, Jukeng Rd., Juling Village, Jutang District, Guanlan, Longhua New District, Shen-zhen,
518110, P.R.China.

2.5 Points of Non-compliance or Exceptions of the Test Procedure

None.

3 Test Results

BIFMA X5.1: 2017 General-Purpose Office Chair-Tests			
Clause	Requirement -Test	Measuring result- Remark	Verdict
1	Socpe		/
2	Definitions		/
3	General		/
4	Type of Chairs	Type I&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		P
	Rear Stability Test for Type I and II Chairs		P
	Front Stability Test		P



Clause	Requirement -Test	Measuring result- Remark	Verdict
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 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
16	Caster/Chair Base Durability Test - Cyclic	Loading: 122kg Cycles over the obstacles: 2000 Cycles on a smooth: 98000 Pull force:	P
17	Leg strength Test - Front and Side Application	Only applicable for chairs with legs, including leg bases	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	No foot rest	N/A
	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: 600000	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 No tablet	N/A
23	Tablet Arm Chair Load Ease Test - Cyclic	Load: 23kg Cycles: 100000 No tablet	N/A

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Clause	Requirement -Test	Measuring result- Remark	Verdict
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; **F**=Fail; **N/T** = Not Tested; **N/R** = Not Requested

4 Remark

- 1) The sample has been examined according to the minimum requirements described in the product standard.
- 2) The manual was not submitted by the client.

5 Documentation

PRODUCT PHOTO



Front View



Side View



Back View



Bottom View



6 Summary

The test specifications are met.

Hardlines - MES

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

Shenzhen Branch



Engineer:

Rookie Wen

Rookie Wen
Project Handler

Technical Report checked:

Harry Nie

Harry Nie
Designated Reviewer