

# Test Report

No.: SDHG1510017911FT

Date: Nov.18, 2015

Page 1 of 4

EZFURN  
9-14/211 BRISBANE ROAD, LABRADOR QLD 4215, AUSTRALIA

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : NEW MINSK CHAIR  
 Style / Item No. : NEW MINSK CHAIR  
 Sample Receiving Date : Oct.28, 2015  
 Test Performing Date : Oct.28, 2015 to Nov.18, 2015

### Test Result Summary

Test(s) Requested	Result(s)
AS/NZS 4688.2:2000 (Level 5)	PASS

**Summary:**

1. For further details, please refer to the following page(s).

Signed for and on behalf of  
Shunde Branch  
SGS-CSTC Co., Ltd.



Bill Wang  
Approved signatory



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**TESTS AND RESULTS**

**Test Conducted:**

AS/NZS 4688.2:2000 Furniture — Fixed height chairs – Determination of strength and durability.

**General Test Condition:**

The following test program was conducted in a laboratory environment maintained at 23±2°C and 50%±5 RH. The sample was individually tested after conditioning in the test environment for at least 24 hours prior to conducting the test.

The complete detailed procedures may be found in the referenced specification and are only summarized herein. Unless otherwise specified, the tests are carried out in the following order on the same sample.

**No. of Sample:**

1 piece (Sample 1). For more sample information and pictures, please refer to the following page.

**Test Level:** Level 5.

Test	Test Description and Requirements	Test Results
<b>Strength and Durability</b>		
The strength and durability requirements are fulfilled when during and after testing as below.		
a) there are no fractures of any member, joint or component;		
b) there are no loosening of joints intended to be rigid;		
c) seating fulfils its functions after removal of the test loads;		
d) seating fulfils the stability requirements.		
7.1	<b>Seat static load test</b> Apply a vertical force of 2000 N at the seat loading position 10 times and maintain the load for at least 10 sec. during each application.	PASS
7.2	<b>Back static load test</b> Apply a vertical balancing force of 2000 N at the seat loading position. Apply a force of 760 N at the back loading position 10 times and maintain for at least 10 sec. during each application.	PASS
7.3	<b>Arm and wing sideways static load test</b> Apply a pair of outward forces of 900N at the position along the arms most likely to cause failure 10 times and maintain the load for at least 10 sec. During each application.	/ Not applicable
7.4	<b>Arm downwards static load test</b> Apply a vertical force of 1000 N at the position along the arms most likely to cause failure 10 times and maintain the load for at least 10 sec. during each application.	/ Not applicable
7.5	<b>Seat fatigue test</b> Apply a vertical force of 950 N at the seat loading position. Repeat the operation for a total of 200000 times at the rate not exceeding 40 cycles per minute.	PASS
7.6	<b>Back fatigue test</b> Apply a vertical balancing force of 950 N at the seat loading position. Apply a force of 330N at the back loading position. Repeat the above operation for a total of 200000 times at the rate not exceeding 40 cycles per minute.	PASS



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Test	Test Description and Requirements	Test Results
7.7	<b>Leg forward static load test</b> Apply and maintain balancing seat load of 1800 N on the seat. Apply a horizontal force of 760 N centrally to the rear of the article at seat level in a forward direction for at least 10 seconds. Total 10 test cycles.	PASS
7.8	<b>Leg sideways static load test</b> Apply and maintain balancing seat load of 1800 N on the seat. Apply a horizontal force of 760 N centrally to the side of the article at seat level for at least 10 sec. Total 10 test cycles.	PASS
7.9	<b>Diagonal base load test</b> Apply simultaneously two opposing forces of 620 N to one pair of diagonally opposite corners of the article. Apply these forces as near as possible to the lowest point in an inward direction 10 times and during each application maintain the load for at least 10 sec.	/ Not applicable
7.10	<b>Seat impact test</b> Allow the impactor (25 kg) to fall freely from the height of 300 mm on the seat loading point for 10 times.	PASS
7.11	<b>Back impact test</b> Allow the impact hammer to fall freely from the height of 620 mm (68°) on the center of the outside of seatback top for 10 times.	PASS
7.12	<b>Arm impact test</b> Allow the impact hammer to fall freely from the height of 620 mm (68°) on the arm at the positions that most likely to cause a failure for 10 times.	/ Not applicable
7.13	<b>Drop test</b> Choose the foot to be dropped. The line joining that foot to the foot diagonally opposite is inclined at 10 degree to the horizontal, whilst the line join the remaining feet is horizontal. Lift the sample to the height of 900/450/250 mm and drop the sample 10 times onto a front leg and 10 times to a rear leg.	PASS
7.14	<b>Swiveling Test</b> Using the small loading pad, apply the vertical downward force of 950 N on the seat loading position. Rotate the seat of the chair through an angle of 45 degree relative to the base for the number of 200000 cycles. The swiveling mechanism shall remain in working order.	/ Not applicable

**Remark:**

1. AS/NZS 4688.2:2000 only is test methods for determining strength and durability for fixed height chairs. Therefore, pass and fail criteria is depended on other specification requirements or buyer's requirements;
2. Since Pass and Fail criteria is not specified in this standard, unless specifically required by the client, reference is made to EN12520:2010 for result rating in this report.



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**SAMPLE INFORMATION AND PICTURES**

Weight: 6.55kg

Overall Dimensions: 462mm L x 575mm W x 875mm H

Other Dimensions: /

**Sample as Received**



View 1



View 2



View 3



View 4

\*\*\*End of Report\*\*\*



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