

# Test ReportNo.: SDHL1812027853FTDate: Dec.14, 2018

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FOSHAN ZHONG MENG SHENG YE OFFICE FURNITURE CO., LTD. NO.6, GAOJIAO NANFANG INDUSTRIAL AREA, LONGJIANG TOWN, SHUNDE DISTRICT, FOSHAN CITY, GUANGDONG PROVINCE, CHINA

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

Sample Description	:	OFFICE CHAIRS
Style / Item No.	:	COMO ZM-711B
Manufacturer	:	FOSHAN ZHONG MENG SHENG YE OFFICE FURNITURE CO., LTD.
Supplier	:	FOSHAN ZHONG MENG SHENG YE OFFICE FURNITURE CO., LTD.
Sample Receiving Date	:	Nov.23, 2018
Test Performing Date	:	Dec.07, 2018 to Dec.14, 2018

# **Test Result Summary**

Test(s) Requested	Result(s)
Clause 4.1 of UNE-EN 1335-2:2009 & Clause 7.1.1, 7.1.2, 7.1.3, 7.1.4, 7.1.5,	PASS
7.2.1, 7.2.2, 7.2.3, 7.2.4, 7.2.5 and 7.2.6 of UNE-EN 1335-3:2009	
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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# **Test Report**

## No.: SDHL1812027853FT

Date: Dec.14, 2018

# TESTS AND RESULTS

# Test Conducted:

Clause 4.1 of UNE-EN 1335-2:2009 Office furniture-office work chair - part 2: Safety requirements Clause 7.1.1, 7.1.2, 7.1.3, 7.1.4, 7.1.5, 7.2.1, 7.2.2, 7.2.3, 7.2.4, 7.2.5 and 7.2.6 of UNE-EN 1335-3:2009 Office furniture-office work chair - part 3: Test methods

# **Test Condition:**

The following test program was conducted in a laboratory environment maintained at 15 °C to 25 °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	Test Description and Requirements	Test Results			
UNE-EN 1335-2:2009, Clause 4.1 General design requirements					
UNE-EN 1335- 2:2009 Clause 4.1.1	<ul> <li>Corners and edges, trapping, pinching and shearing</li> <li>All parts of the chair with which the user comes into contact during intended use, shall be so designed that physical injury and damage to property are avoided.</li> <li>These requirements are met when: <ul> <li>a) the safety distance of accessible movable parts is either ≤ 8 mm or</li> <li>≥ 25 mm in any position during movement;</li> <li>b) accessible corners are rounded with minimum 2 mm radius;</li> <li>c) the edges of the seat, back rest and arm rests which are in contact with the user when sitting in the chair are rounded with minimum 2 mm radius;</li> <li>d) the edges of handles are rounded with minimum 2 mm radius in the direction of the force applied;</li> <li>e) all other edges are free from burrs and rounded or chamfered;</li> <li>f) the ends of accessible hollow components are closed or capped.</li> </ul> </li> </ul>	PASS			
UNE-EN 1335- 2:2009 Clause 4.1.2	<b>Adjusting devices</b> Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided. It shall be possible to operate the adjusting devise from sitting position in the chair.	PASS			
UNE-EN 1335- 2:2009 Clause 4.1.3	<i>Connections</i> It shall not be possible for any load bearing part of the chair to come loose unintentionally.	PASS			
UNE-EN 1335- 2:2009 Clause 4.1.4	<b>Avoidance of soiling</b> All parts which are lubricated to assist sliding (greasing, lubricating, etc.) shall be designed to protect users from lubricant stains when in normal use.	PASS			
UNE-EN 1335- 3:2009 Clause 7.2.1	Seat front edge static load test Position the smaller seat loading pad at loading point "F" or "J". Apply a vertical downward force 1600N through the centre of the loading pad. Number of cycles: 10 cycles	PASS			



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Test	Test Description and Requ	irements	Test Results
UNE-EN 1335- 3:2009 Clause 7.2.2	<b>Combined seat and back static load test</b> Prevent the chair from moving rearwards by adjacent supporting points at the rear of the of device(s) for seat and/or back rest angle mov first with the device(s) locked for half of the of device(s) unlocked for the other half of the of the cycles the back rest shall be in the uprigh force 1600N through the seat loading pad at loaded and apply a force 560N through the of pad at point "B". When fully loaded the force the back rest plane. If the chair tends to over force and report the actual force. Remove the seat force. Number of cycles: 10 cycles	placing stops behind two chair. Chairs with a locking vements shall be tested ycles and then with the vcles. For the first half of t position. Apply a vertical point "A". Keep the seat entre of the back loading shall act at 90°± 10° to turn reduce the back rest e back force and then the	PASS
UNE-EN 1335- 3:2009 Clause 7.2.6	Foot rest static load test Apply a vertical force 1300N acting 80 mm fr bearing structure of the foot rest at those poi failure. For round cross section ring shaped to applied through the centre of the ring cross so overturn load the seat to prevent overturning of cycles: 10 cycles	om front edge of the load nts most likely to cause ootrests, the force shall be ection. If the chair tends to and report this. Number	N/A
UNE-EN 1335- 3:2009 Clause 7.2.3	Arm rest downward static load test – cent The arm rests shall be loaded vertically by m pads. The loading points shall be at the mid and centred side to side. Apply the force7500 simultaneously for 5 cycles.	<b>ral</b> eans of the local loading point of the arm rest length N to both arm rests	PASS
UNE-EN 1335- 3:2009 Clause 7.1.1	<b>Front edge overturning</b> Do not position the chair with the stops again Fix the strap to the chair, i.e. the force is app front edge that is furthest from the axis of rot 27kg to hang freely.	est the supporting points. lied at the point on the ation, and allows the mass	PASS
UNE-EN 1335- 3:2009 Clause 7.1.2	<b>Forwards overturning</b> Position the chair with two adjacent supportin against the stops. Apply by means of the stability loading devic acting60 mm from the front edge of the load seat at those points most likely to result in ov least 5 s a horizontal outwards force 20N from surface where the vertical force is applied.	ng points on the front e a vertical force 600N bearing structure of the erturning. Apply for at m the point on the seat	PASS
UNE-EN 1335- 3:2009 Clause 7.1.3	Forwards overturning for chairs with foot For chairs with footrests repeat the principle For round cross section ring shaped footrest shall be applied through the centre of the ring	<b>rest</b> of 7.1.2 on the footrest. s, the vertical force1100N g cross section.	N/A



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Test	Test Description and Requirements	Test Results
UNE-EN 1335- 3:2009 Clause 7.1.4	Sideways overturning for chairs without arm rests Position the chair with two adjacent supporting points on one side against the stops. Apply by means of the stability loading device a vertical force 600N acting 60 mm from the side edge of the load bearing structure of the seat at those points most likely to result in overturning. Apply for at least 5 s a horizontal sideways force 20N outwards from the point on the seat surface where the vertical force is applied.	N/A
UNE-EN 1335- 3:2009 Clause 7.1.5	Sideways overturning for chairs with arm rests Apply by means of the stability loading device a vertical force 250N acting at a point 100 mm from the fore and aft centre line of the seat at the side where the supporting points are restrained and between 175 mm and 250 mm forward of the rear edge of the seat. Apply a vertical downward force 350N acting at points on the arm rest which is on the same side as the restrained supporting points up to a maximum 40 mm inwards from the outer edge of the upper surface of the arm rest, but not beyond the centre of the arm rest, and at the most adverse position along its length. Apply a horizontal sideways force 20N outwards from the same point for at least 5 s.	PASS
UNE-EN 1335- 3:2009 Clause 7.2.3	<b>Arm rest downward static load test – central</b> The arm rests shall be loaded vertically by means of the local loading pads. The loading points shall be at the mid point of the arm rest length and centred side to side. Apply the force 900N to both arm rests simultaneously for 5 cycles.	PASS
UNE-EN 1335- 3:2009 Clause 7.2.4	<b>Arm rest downward static load test – front</b> The arm rests shall be loaded vertically by means of the local loading pads. The loading points shall be 75 mm from the front edge and centred side to side. Apply the force 450N to both arm rests simultaneously. Number of cycles: 5 cycles.	PASS
UNE-EN 1335- 3:2009 Clause 7.2.5	<i>Arm rest sideways static load test</i> Apply an outward horizontal force 400N to both arm rests simultaneously. Apply the forces to the edge of the arm rest at the point along the arm rest most likely to cause failure but not less than 75 mm from the front or rear edge. Number of cycles: 10 cycles.	PASS

## Remark:

1. N/A – Not applicable; N/R – Not Requested; N/P – Not provided.

2. For the sample information and pictures, please refer to the following page.



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#### SAMPLE INFORMATION AND PICTURES

Weight: 15.50 kg

Overall Dimensions: 655 mm D x 678 mm W x 995~1110 mm H

Other Dimensions: Base radius, 320 mm

## Sample as Received









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