Test Report

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, 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	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

SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch Hardlines

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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℃ to 25℃ 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	***Corners and edges, trapping, pinching and shearing*** 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. These requirements are met when: a) the safety distance of accessible movable parts is either ≤ 8 mm or ≥ 25 mm in any position during movement; b) accessible corners are rounded with minimum 2 mm radius; 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; d) the edges of handles are rounded with minimum 2 mm radius in the direction of the force applied; e) all other edges are free from burrs and rounded or chamfered; f) the ends of accessible hollow components are closed or capped.	PASS
UNE-EN 1335-2:2009 Clause 4.1.2	***Adjusting devices*** 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	***Connections*** 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	***Avoidance of soiling*** 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

Test	Test Description and Requirements	Test Results
UNE-EN 1335-3:2009 Clause 7.2.2	***Combined seat and back static load test*** Prevent the chair from moving rearwards by placing stops behind two adjacent supporting points at the rear of the chair. Chairs with a locking device(s) for seat and/or back rest angle movements shall be tested first with the device(s) locked for half of the cycles and then with the device(s) unlocked for the other half of the cycles. For the first half of the cycles the back rest shall be in the upright position. Apply a vertical force 1600N through the seat loading pad at point "A". Keep the seat loaded and apply a force 560N through the centre of the back loading pad at point "B". When fully loaded the force shall act at 90° ± 10° to the back rest plane. If the chair tends to overturn reduce the back rest force and report the actual force. Remove the back force and then the seat force. Number of cycles: 10 cycles	PASS
UNE-EN 1335-3:2009 Clause 7.2.6	***Foot rest static load test*** Apply a vertical force 1300N acting 80 mm from front edge of the load bearing structure of the foot rest at those points most likely to cause failure. For round cross section ring shaped footrests, the force shall be applied through the centre of the ring cross section. If the chair tends to overturn load the seat to prevent overturning and report this. Number of cycles: 10 cycles	N/A
UNE-EN 1335-3:2009 Clause 7.2.3	***Arm rest downward static load test – central*** 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 force750N to both arm rests simultaneously for 5 cycles.	PASS
UNE-EN 1335-3:2009 Clause 7.1.1	***Front edge overturning*** Do not position the chair with the stops against the supporting points. Fix the strap to the chair, i.e. the force is applied at the point on the front edge that is furthest from the axis of rotation, and allows the mass 27kg to hang freely.	PASS
UNE-EN 1335-3:2009 Clause 7.1.2	***Forwards overturning*** Position the chair with two adjacent supporting points on the front against the stops. Apply by means of the stability loading device a vertical force 600N acting60 mm from the front 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 outwards force 20N from the point on the seat surface where the vertical force is applied.	PASS
UNE-EN 1335-3:2009 Clause 7.1.3	***Forwards overturning for chairs with footrest*** For chairs with footrests repeat the principle of 7.1.2 on the footrest. For round cross section ring shaped footrests, the vertical force1100N shall be applied through the centre of the ring cross section.	N/A

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	***Arm rest downward static load test – central*** 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	***Arm rest downward static load test – front*** 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	***Arm rest sideways static load test*** 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

View 1

View 2

View 3

View 4

End of Report

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