

Test Report

No.: SDHL1807016984FT

Date: Sep.07, 2018 Page 1 of 19

Expiry Date: Sep.07, 2019

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

Overall Test Result: **PASS**

Vendor/Client:

ZHONG SHAN SHI SONGLIN FURNITURE CO. LTD
B BLOCK, JINLI INDUSTRIAL ZONEMSANXING
ROAD, SANJIAO TOWN, ZHONGSHAN CITY,
GUANGDONG RPOV., CHINA 528400

Sample overview



GENERAL INFORMATION

Buyer Name:	OFFICE DEPOT MAX	GCC Required:	☐ YES ☒ NO
Vendor Name:	ZHONG SHAN SHI SONGLIN FURNITURE CO. LTD		
Factory Name / Address:	SONGLIN FURNITURE CO., LTD. SANJIAO BRANCH NO. 2 JINLI ROAD, JINLI INDUSTRIAL ZONE, SANJIAO TOWN, ZHONGSHAN CITY, GUANGDONG PROVINCE, CHINA 528400		
Vendor Email:	songlintw_marty@163.com; songlintw_801@163.com; songlintw_ying@163.com; songlintw0077@163.com	Factory ID#:	F01737
Dep. No.:	/	Brand Name:	/
Country of Origin:	CHINA	Destination:	EUROPE

SAMPLE INFORMATION

Sample Description:	OPER CHR BK WORKPRO/OPER CHR BK&BU WORKPRO		
Environment Claim:	/		
EPA /CARB on the label or package:	☐ YES ☒ NO		
Is there any CA prop 65 fail:	☐ YES ☒ NO		
SKU Number:	3434329 / 4367750	Style Number:	SL-F12A
UPC Number:	/	VPC Number:	/
PO Number	/		
Children Product:	☐ YES ☒ NO		

TESTING INFORMATION

Test Stage:	☐ PPT ☐ ANNUAL ☐ POST PURCHASE
Test Requested:	☒ PRODUCT ☐ PACKAGING REVIEW ☐ TRANSIT TEST ☒ ECR
	☒ OTHER TEST: /
Test Type:	☒ INITIAL ☐ RETEST Previous Report #: /
Revised Report:	☒ NO ☐ YES Reason: /
Protocol(s) Used:	OD-FT0001.7-General Office Chair (EN 1335)-EU-V9.0
Sample Receiving Date:	Jul.23, 2018
Testing Period:	Jul.26, 2018 to Sep.07, 2018



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TESTING HISTORY

Product Testing & Package Review:

Report #: / Date Issued: / Result: /

Previous Reports (Any reports issued for this same item within the past 3 years):

Report #	Date Issued	Result	Failure Description
/	/	/	/

Testing Summary

SKU #	Result	Failure Reason (if applicable)	End Result (if applicable)	Defect code (if applicable)
3434329 / 4367750	PASS	/	/	/

TEST ITEMS	TEST RESULTS	COMMENTS
Product Test (Protocol No.: OD-FT0001.7-General Office Chair (EN 1335)-EU-V9.0)		
REGULATORY SUPPLEMENT PROTOCOLS	Not requested by applicant	/
FLAMMABILITY –UK only (BS 7176:2007 Low hazard, for office use)	Not requested by applicant	/
FLAMMABILITY (All EU except UK)	Not requested by applicant	/
FLAMMABILITY (All EU)	Not requested by applicant	/
PHYSICAL CHARACTERISTICS REQUIREMENTS	See result.	/
CONSTRUCTION & WORKMANSHIP REQUIREMENTS	Not requested by applicant	/
PERFORMANCE REQUIREMENTS	PASS	/
* COLORFASTNESS	Not requested by applicant	/
Executive Summary 1 for Regulatory Requirement:		
/		
Executive Summary 2 for Non-Regulatory Requirement:		
/		
Remark:		
1. The overall rating was based on those tests conducted.		



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

Bill Wang
Approved signatory



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Sample as Received



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Test Report

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Test Result Details

Protocol No.: OD-FT0001.7-General Office Chair (EN 1335)-EU-V9.0

Test Property	Test Method	Test Principle / Requirements	Results
SCOPE: This protocol is applicable for General Office Chair. It's not applicable for domestic /non-domestic/ outdoor chair which there is other protocol applies.			
REFERENCE: Where there are no applicable EU standards, SGS has chosen the most relevant International, National standards to assess the product safety and performance. For undated references, the latest edition of the referenced document (including any amendments) applies.			
NOTE: Gas Lift Design: If the gas lift is welded to the seat plate, DO NOT PROCEED WITH TESTING THE PRODUCT, FAIL THE TEST & IMMEDIATELY ISSUE THE TEST REPORT.			
REGULATORY SUPPLEMENT PROTOCOLS			
* Children's Product (Non-toys)	Applicable sections from SGS Protocol OD-1015	Product to be tested against all applicable requirements of this protocol.	Not requested by applicant
* Labeling Requirement	SGS Protocol OD-LB0001	Product to be tested against all applicable requirements of this protocol.	Not requested by applicant
* Chemical Requirement	Applicable sections from SGS Protocol OD-CM0001	Product to be tested against all applicable requirements of this protocol complying with the regulation of the general product in the destination countries.	Not requested by applicant
1. Flammability			
1.1 FLAMMABILITY –UK only (BS 7176:2007 Low hazard, for office use)			
Cigarette test (mandatory in UK)	BS 7176:2007 Low hazard, test method is EN 1021-1:2006	Must Pass the cigarette test using the first 75mm thickness of the chair upholstery (from skin contact side downward) to qualify as EN 1021-1:2006.	Not requested by applicant
Match test (mandatory in UK)	BS 7176:2007 Low hazard, test method: EN 1021-2:2006	Must Pass the match test using the first 75mm thickness of the chair upholstery (from skin contact side downward) to qualify as EN 1021-2:2006	Not requested by applicant
Ignitability test for foam in slab form (mandatory in UK)	BS 5852:Part 2:1982, Ignition Source 5	Test to SCHEDULE 1 PART I of the Furniture and Furnishing (Fire) (Safety) Regulations 1988. (as amended) fire retardancy test for polyurethane foam fillings (modification of BS 5852:Part 2:1982, Ignition Source 5). The sample is tested in combination with a FR polyester cover material and is weighed as a completed test assembly with the FR cover and the wooden Crib 5.	Not requested by applicant



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Test Property	Test Method	Test Principle / Requirements	Results
Ignitability test for foam in crumb/latexrubber/non-foam filling form (mandatory in UK)	BS 5852:Part 2:1982, ignition source source 5/source 2	Ignitability test for polyurethane foam in crumb form: SCHEDULE 1 PART II Ignitability test for latex rubber foam: SCHEDULE 1 PART III Ignitability test for non-foam filling materials singly: SCHEDULE 2 PART I	Not requested by applicant
Flammability label	BS 7176 section 6	[For Upholstered Chairs for use within a commercial office] Labelled as per Section 6 of BS 7176: Low Hazard.	Not requested by applicant
1.2 FLAMMABILITY (All EU except UK)			
Cigarette test (EU)	EN 1021-1:2014	Must Pass the cigarette test using the first 75mm thickness of the chair upholstery (from skin contact side downward) to qualify as EN 1021-1:2014.	Not requested by applicant
Match test (EU)	EN 1021-2:2014	Must Pass the match test using the first 75mm thickness of the chair upholstery (from skin contact side downward) to qualify as EN 1021-2:2014	Not requested by applicant
1.3 FLAMMABILITY (All EU)			
Flammability	Above 1.1+1.2 requirement	Shall comply with the requirements	Not requested by applicant
PHYSICAL CHARACTERISTICS REQUIREMENTS			
Base - caster or non-caster	Visual Check	Report actual	Not requested by applicant
Dimensions	Standard Measre	Report overall dimensions	Actual: 29.25 in. W x 28.3~29 in. D x 48.62~55.12 in. H (743 mm W x 720~737 mm D x 1235~1400 mm H)
Weight	Standard Measre	Report overall weight	Actual: 50.93 lb (23.10 kg)
Dimensions - length x width - seat	Standard Measre	Report overall dimensions	Not requested by applicant
Dimensions - height - seat	Standard Measre	Report seat height	Not requested by applicant
Foam Density	Standard Measre	Report actual	Not requested by applicant
Fabric weight	BS EN 12127-98 / ISO 3801:1977	[oz. / sq. yd.] Per product specification	Not requested by applicant
Cover material Identification	Microscopic	[Material content analysis] Verify that cover present is the Leather, PU, PVC	Not requested by applicant



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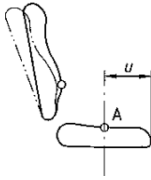
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Test Property	Test Method	Test Principle / Requirements	Results															
Leg height adjustment	Visual Check	Report actual	Not requested by applicant															
Type of seat - tilt or non-tilt	Visual Check	Report actual	Not requested by applicant															
Type of seat - rotating or non-rotating	Visual Check	Report actual	Not requested by applicant															
Back - fixed or non-fixed	Visual Check	Report actual	Not requested by applicant															
Arm - with or without arm	Visual Check	Report actual	Not requested by applicant															
CONSTRUCTION & WORKMANSHIP REQUIREMENTS																		
Defects	Visual Check	Shall have no discernible surface degradation, including crazing, shivering, denting, bubbles, cracks, stains, deformations, chips, fractures, heavy lines, waves, shear marks, scratches, scuff marks, indentations, or blisters.	Not requested by applicant															
Defects	Visual Check	Shall have no components missing, malformed, and/or fractured.	Not requested by applicant															
Fabric defects	BS 6395-83	No major defects / two minor defects (Max.)	Not requested by applicant															
Evenness of color	ASTM D3990-99 R08	Shall provide uniform color	Not requested by applicant															
Strength category	DIN 4550: 2004 clause 5	Documentation review: Distance between seat front edge and the centre of pivot point pillar may not exceed the acceptable measure according to the strength of the bearing element. Table 1 – Strength classes of the carrying elements <table><tr><th>Strength class</th><th>Alternating bending force M_{dyn} in Nm</th><th>Applicable for office work chairs with measurement u in mm</th></tr><tr><td>1</td><td>± 150</td><td>Up to 270</td></tr><tr><td>2</td><td>± 190</td><td>Up to 340</td></tr><tr><td>3</td><td>± 210</td><td>Up to 370</td></tr><tr><td>4</td><td>± 230</td><td>Up to 400</td></tr></table> 	Strength class	Alternating bending force M_{dyn} in Nm	Applicable for office work chairs with measurement u in mm	1	± 150	Up to 270	2	± 190	Up to 340	3	± 210	Up to 370	4	± 230	Up to 400	Not requested by applicant
Strength class	Alternating bending force M_{dyn} in Nm	Applicable for office work chairs with measurement u in mm																
1	± 150	Up to 270																
2	± 190	Up to 340																
3	± 210	Up to 370																
4	± 230	Up to 400																



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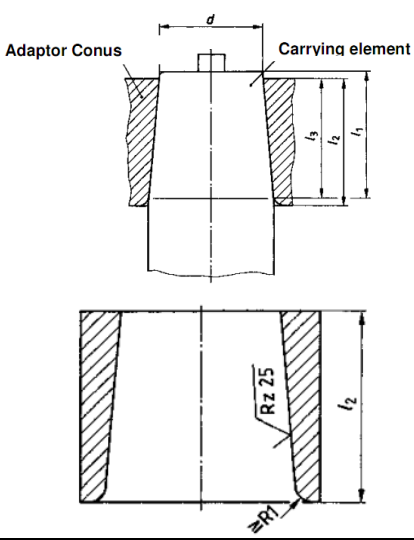
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Test Property	Test Method	Test Principle / Requirements	Results
Connection part of the seat mechanism and the gas lift	DIN 4550: 2004 clauses 6.1 to 6.3 [GS requirement]	Documentation review: 6.1 Gas lift cone made in one piece 6.2 The lower edge of the intake cone must overhang $\geq 1-2$ mm; $l_3 \geq 80\%$ 6.3 Lower edge of the intake cone inside with $R \geq 1$ mm; intake cone made in one piece 	Not requested by applicant
Fatigue strength (Verification of certificate if requested)	DIN 4550: 2004 clause 6.4	Documentation review: A type approval test has to be carried out to bearing elements (marking verification)	Not requested by applicant
Cross cut adhesion	ASTM D3359-02 Method B modified	Using a utility knife, cut a grid of 100 squares in a length of 1inch with sufficient pressure to make the cutting reach the substrate. Use 3M masking tape apply to the grid and remove by seizing the free end and rapidly (not jerked) back upon itself. Plating / coating shall stay affixed. The flaked/removed squares should not more than 5% of the original squares.	Not requested by applicant
PERFORMANCE REQUIREMENTS			



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Test Property	Test Method	Test Principle / Requirements	Results
Product specification (SPEC)	Office Depot requirement	Lab must request Specification from the Office Depot EU Engineer assigned to the product category and must confirm specifications against testing results from the provided sample. If Specification is not provided or specification values do not match test results the report rating shall be Fail	Not requested by applicant
Determination of dimension	BS EN 1335-1: 2000	Determination of dimensions to EN 1335 part 1 , required at least "Type C"	PASS See Annex A.
Front seating capability test	Office Depot Requirement	Seat loading point: The midpoint of the loading point shall be 3in back from the front edge and the loading block (2inH x 6inL x 16inW) shall span across the whole width of the seat Loading weight: 300lbs for 5mins, no structural failure or tip over	Not requested by applicant
Seat impact test	Office Depot Requirement	Impactor: 25kg mass weight, a circular body of 200mm diameter. Set the chair to the highest position, the impactor fall freely from 350mm onto position A 5 times and position C 5 times. Set the chair to the lowest position, repeated above procedure NOTES: Position A: the point in which the chair's axes of rotation intersect with seat surface Position C: 150mm forward of the point A	Not requested by applicant



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Test Report

No.: SDHL1807016984FT

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Expiry Date: Sep.07, 2019

Protocol No.: OD-FT0001.7-General Office Chair (EN 1335)-EU-V9.0

Test Property	Test Method	Test Principle / Requirements	Results
Office chair - office work chair - safety requirement - corners and edges, trapping, pinching and shearing	EN 1335-2: 2009, clause.4.1	[For general office chair only] Shall be so designed as to minimize the risk of injury to the user: - The safety distance of accessible movable parts is either smaller or equal 8mm or larger or equal 25mm in any position during movement - Accessible corners are rounder with minimum 2 mm radius - The edges of the seat back rest and armrest which are in contact with the user when sitting in the chair are rounded with minimum 2 mm radius - The edges of handles are rounded with minimum 2 mm radius in the direction of the force applied - All other edges are free from burrs and rounded or chamfered - The ends of accessible hollow components are closed or capped	PASS
Office chair - office work chair - safety requirement - adjusting devices	EN 1335-2: 2009, clause.4.1	[For general office chair only] Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided.	PASS
Office chair - office work chair - safety requirement - connections	EN 1335-2: 2009 clause.4.1	[For general office chair only] Shall not be possible for any load bearing part of the chair to come loose unintentionally.	Not requested by applicant
Office chair - office work chair - safety requirement - avoidance of soiling	EN 1335-2: 2009, clause.4.1	[For general office chair only] All parts which are lubricated to assist sliding (greasing, lubricating, etc.) shall be designed to protect users from lubricant stains when in normal use.	Not requested by applicant
Office chair - office work chair - safety requirement - test sequence: Shall be tested following sequence of tests of EN 1335-3:2009			
Office chair - office work chair - safety requirement - stability during use	EN 1335-3:2009 Clause 5.1	[For general office chair only] According to Clause 5.1 of EN 1335-3-2009	PASS



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Protocol No.: OD-FT0001.7-General Office Chair (EN 1335)-EU-V9.0

Test Property	Test Method	Test Principle / Requirements	Results
Office chair - office work chair - seat front edge static load test	EN 1335-3-2009 clause 7.2.1	[For general office chair only] Position the smaller seat loading pad at loading point "F" or "J". Apply a vertical downward force 1600 N through the centre of the loading pad. There shall be no fractures of any member, joint or component and no loosening of joint intended to be rigid. Also, chair shall no major structural element is significantly deformed and fulfils its functions after removal test loads.	Not requested by applicant
Office chair - office work chair - combined seat and back static load test	EN 1335-3-2009 clause 7.2.2	[For general office chair only] Apply a vertical force 1600 N through the seat loading pad at point "A". Keep the seat loaded and apply a force 560 N through the centre of the back loading pad at point "B". There shall be no fractures of any member joint or component and no loosening of join intended to be rigid. Also, chair shall no major structural element is significantly deformed and fulfils its functions after removal test loads.	PASS
Office chair - office work chair - foot rest static load test	EN 1335-3-2009 clause 7.2.6	[For general office chair only] Apply a vertical force 1300 N on 80 mm from front edge of the load bearing structure of the foot rest at those points most likely to cause failure. There shall be no fractures of any member, joint or component and no loosening of joint intended to be rigid. Also, chair shall no major structural element is significantly deformed and fulfils its functions after removal test loads.	Not requested by applicant



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Protocol No.: OD-FT0001.7-General Office Chair (EN 1335)-EU-V9.0

Test Property	Test Method	Test Principle / Requirements	Results
Office chair - office work chair - foot rest fatigue test	DIN 68877	Apply a vertical force 1200 N on 80 mm from front edge of the load bearing structure of the foot rest at those points most likely to cause failure for 80,000 cycles. There shall be no fractures of any member, joint or component and no loosening of joint intended to be rigid. Also, chair shall no major structural element is significantly deformed and fulfils its functions after removal test loads.	Not requested by applicant
Office chair - office work chair - seat and back durability	EN 1335-3-2009 clause 7.3.1	[For general office chair only] All chairs shall be tested to steps 1 to 5. Step 1 - A Step 2 - C-B Step 3 - J-E Step 4 - F-H Step 5 - D-G Each step shall be completed before going to the next. Apply specified force and no. of cycles from BS EN 1335-2: 2009 Table A.2. There shall be no fractures of any member, joint or component and no loosening of joint intended to be rigid. Also, chair shall no major structural element is significantly deformed and fulfils its functions after removal test loads.	PASS
Office chair - office work chair - arm rest durability	EN 1335-3-2009 clause 7.3.2	[For general office chair only] Apply force 400 N on each arm rest at points 100 mm behind the foremost point of the arm rest length for 60000 cycles. There shall be no fractures of any member, joint or component and no loosening of joint intended to be rigid. Also, chair shall no major structural element is significantly deformed and fulfils its functions after removal test loads.	Not requested by applicant
Office chair - office work chair - arm rest downward static load test – central	EN 1335-3-2009 clause 7.2.3	[For general office chair only] Apply the force 750 N to both arm rests simultaneously for 5 times. The loading points shall be at the mid point of the arm rest length and centred side to side. The arm rest shall be no fracture after test.	Not requested by applicant



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Protocol No.: OD-FT0001.7-General Office Chair (EN 1335)-EU-V9.0

Test Property	Test Method	Test Principle / Requirements	Results
Office chair - office work chair - front edge overturning	EN 1335-3-2009 clause 7.1.1	[For general office chair only] Fix the strap to the chair. The force is applied at the point on the front edge that is furthest from the axis of rotation, and allow a 27 kg mass to hang freely. Chair shall not overturns during test.	PASS
Office chair - office work chair - forward overturning	EN 1335-3-2009 clause 7.1.2	[For general office chair only] Apply a vertical force 600 N acting 60 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 20 N from the point on the seat surface where the vertical force is applied. Chair shall not overturns during test.	PASS
Office chair - office work chair - forward overturning for chair with footrest	EN 1335-3-2009 clause 7.1.3	[For general office chair only] Apply a vertical force 1100 N acting 60 mm from the front edge of the footrest at those points most likely to result in overturning. Apply for at least 5 s a horizontal outwards force 20 N from the point on the seat surface where the vertical force is applied. Chair shall not overturns during test.	Not requested by applicant
Office chair - office work chair - sideways overturning for chair without arm rests	EN 1335-3-2009 clause 7.1.4	[For general office chair only] Apply by means of the stability loading device a vertical force 600 N 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 20 N outwards from the point on the seat surface where the vertical force is applied. Chair shall not overturns during test.	Not requested by applicant



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Protocol No.: OD-FT0001.7-General Office Chair (EN 1335)-EU-V9.0

Test Property	Test Method	Test Principle / Requirements	Results
Office chair - office work chair - sideways overturning for chair with arm rests	EN 1335-3-2009 clause 7.1.5	[For general office chair only] Apply by means of the stability loading device a vertical force 250 N 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 350 N 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 20 N outwards from the same point for at least 5 s. Chair shall not overturns during test.	PASS
Office chair - office work chair - rearwards overbalancing for chairs without back rest inclination	EN 1335-3-2009 clause 7.1.6	[For general office chair only] A vertical force 600 N shall be applied at point "A" and a horizontal force 192 N shall be applied at point "B". If the back rest pad is pivoting around a horizontal axis above the height of the seat and is free to move, the horizontal force shall be applied on the axis. If height adjustable, the axis shall be set as close as possible to 300 mm above point "A". Chair shall not overturns during test.	Not requested by applicant
Office chair - office work chair – rearwards overbalancing for chairs with adjustable back rest inclination	EN 1335-3-2009 clause 7.1.7	[For general office chair only] Load the chair with 13 discs so that the discs are firmly settled against the back rest. If the height of the stack of discs exceeds the height of the back rest, prevent the upper discs from sliding off by the use of a light support. Chair shall not overturns during test.	PASS
Office chair - office work chair - arm rest downward static load test - central	EN 1335-3-200 clause 7.2.3	[For general office chair only] Apply the force 900 N to both arm rests simultaneously for 5 times. The loading points shall be at the mid point of the arm rest length and centred side to side. The arm rest shall be no fracture after test.	Not requested by applicant



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Protocol No.: OD-FT0001.7-General Office Chair (EN 1335)-EU-V9.0

Test Property	Test Method	Test Principle / Requirements	Results
Office chair - office work chair - rolling resistance of the unloaded chair	EN 1335-3: 2009 Clause 7.4	[For general office chair only] The unloading chair shall not roll unintentionally. The casters are of identical construction and the rolling resistance shall be larger and equal to 12 N when tested according to EN 1335-3: 2009 Clause 7.4. Modification = Expand scope to cover Home office chair with caster	Not requested by applicant
Castor fatigue test:	EN 1335-2:2000 Clause 4.4 / EN 1335-3:2000 Clause 6	[For general office chair only] Shall be loaded cyclically with 75 kg at point "A" for 60 s and unloaded for 30 s. The duration of the fatigue test shall be 100 h. Record the force used to push or to pull the chair before and after fatigue. The mean value of the forces measured over the distance from 250 mm to 500 mm is the rolling resistance. After above fatigue test, the rolling resistance shall be ≥ 15 N with castors type H or ≥ 12 N with castors type W.	Not requested by applicant
Castor fatigue test (alternative method)	EN 1335-2:2000 Clause 4.4 / EN 1335-3:2009 Clause 7.3.5/7.4	[For general office chair only] Shall be loaded with 110 kg at point "A". The fatigue test shall be 36000 cycles (one forward + one backward). The angle of rotation shall be from 0° to 180°, or a linear movement of 1000mm shall be provided. Record the force used to push or to pull the chair before and after fatigue. The mean value of the forces measured over the distance from 250 mm to 500 mm is the rolling resistance. After above fatigue test, the rolling resistance shall be ≥ 15 N with castors type H or ≥ 12 N with castors type W	Not requested by applicant
*Frozen test for casters (On request only)	Environmental test Refer to BIFMA X5.1 clause 17.1	After conditioned at -6°C for 24 hours, five casters shall be cycled 500 cycles over the obstacles with no damage or breakage. Start the cycle test within 10mins after removed from the cold chamber. After test, the pull force shall be not less than 22N (5lbs) (if applicable)	Not requested by applicant
Abrasion resistance - martindale	ISO 12947	Minimum 30,000 rubs For PU, PVC, Bonded Leather, Leather, Fabric, mesh.	Not requested by applicant



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Test Property	Test Method	Test Principle / Requirements	Results
* Flex Resistance of Leather – Room Temperature	EN ISO 5402	Slight cracking after 50,000 cycles could be accepted.	Not requested by applicant
* Fabric strength - length	BS EN ISO13934-2-99	Minimum 50 Lbs. / In. Note: Test on textile only	Not requested by applicant
* Fabric strength - width	BS EN ISO 13934-2-99	Minimum 50 Lbs. / In. Note: Test on textile only	Not requested by applicant
* Tear strength - warp	BS EN ISO 13937-3	1.5 lbs (6.67 N) (Minimum) Note: Test on textile only	Not requested by applicant
* Tear strength – fill	BS EN ISO 13937-3	1.5 lbs (6.67 N) (Minimum) Note: Test on textile only	Not requested by applicant
* Leather identification	Microscopic Method	Microscopic-- Leather content analysis Verify that leather present is the actual grade of leather per label claim (Genuine, Top Grain Cowhide, etc.).	Not requested by applicant
* Anti-hydrolysis for upholstered PU & bonded leather (On request only)	Environmental test	Expose the large sample of coated fabric/bounded leather, from which test specimens will be taken, in the humidity chamber at 70 °C and 95 % relative humidity for 14 days. Following this exposure, condition the sample for 24 h at 21 °C and 65 % relative humidity. After conditioning for 2 h, cut the specimens for peel strength test. The peel strength shall retained at least 70% after test. Record the peel strength before and after test.	Not requested by applicant
* COLORFASTNESS			
Light Fading	BS EN ISO 105: B02	Minimum Grade 4	Not requested by applicant
Colorfastness to rubbing	BS EN ISO 105-X12 i/o 105-X16	[Dry] Textile: Grade 4 Leather: Grade 3 [Wet] Textile: Grade 3 Leather: Grade 4	Not requested by applicant
Water	BS EN ISO-105-E01	Minimum grade 4 for shade change; Grade 3 for Cross - Staining of the multi - fibre strip	Not requested by applicant



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Test Property	Test Method	Test Principle / Requirements	Results
Color fastness to Washing	BS EN ISO105 – C06	[If applicable] [e.g. loose fabric covers] Grade 4 Shade Change; Grade 3 Cross - Staining of the multi - fiber strip.	Not requested by applicant
Soil Release (For fabric only)	AATCC 130	Class 4 (min.)	Not requested by applicant



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Test Report

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Annex A. Test Conducted:

EN 1335-1:2000 Office furniture – office working chair – Part 1: dimensions –determination of dimensions

No. of Sample:

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

Office Working Chair Type: Type C

Dimension Requirements							Rating
Test Items	Adjustability	Type C					
		(-) Allow.	Min.	Max.	(+) Allow.		
SEAT							
Seat height	a	Adjustable Adjustable range	yes no	420 80	480 +	yes yes	PASS
Seat depth	b	Non-adjustable Adjustable Adjustable range	no yes	380 400 +	+	yes yes	PASS
Depth of seat surface	c	/	no	380	+	yes	PASS
Seat width	d	/	no	400	+	yes	PASS
Inclination of seat surface	e	Non-adjustable Adjustable Adjustable range	no yes	-2 ° -2 ° +	-7 ° -7 ° +	no yes	PASS
BACK REST							
Height of the back supporting point “S” above	f	Non-adjustable Adjustable Adjustable range	no	170 + +	220 + +	no	PASS
Height of the back pad -Adjustable	g	/		+	+		PASS
-Non-Adjustable			no	260	+	yes	PASS
Height of the upper edge the backrest above the seat surface	h	/	no	360	+	yes	PASS
Backrest width	i	/	no	360	+	yes	PASS
Horizontal radius of the backrest	k	/	no	400	+	yes	PASS
Backrest inclination	l	Adjustable range		+	+		No requirement specified
ARM REST							
Length of armrest	n	/	no	200	+	yes	PASS
Width of the armrest	o	/	no	40	+	yes	PASS
Height of armrest above the seat	p	Non-adjustable Adjustable	no yes	200 200	250 250	no yes	PASS
Distance from the front of the armrests to the front edge of the seat surface	q	/	no	100	+	yes	PASS


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Dimension Requirements							Rating
Test Items	Adjustability	Type C					
		(-) Allow.	Min.	Max.	(+) Allow.		
Clear Width Between The Armrest	r	/	no	460	+	yes	PASS
UNDERFRAME							
Maximum offset of the underframe (Anti-stumbling-dimension)	s	/	yes	+	x+50	no	PASS
Stability dimension	t	/	no	195	+	yes	PASS

PPT Assign Sheet: No PPT Assign sheet for ECR test.
EPA /CARB picture: Not applicable.
Environment Claim Validation Picture: Not applicable.

End of Report



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