Test Report Number: GZHH0051995701

Applicant: FOSHAN NANHAI LAINUO FURNITURE CO., LTD
SHAZUI INDUSTRIAL AREA, JIUJIANG TOWN,
NANHAI, FOSHAN CITY, GUANGDONG PROVINCE,
CHINA

Date: Jan 12, 2024

Attn: SIMONE

This is to supersede Report No. GZHH00519957 dated Jan 02, 2024

Sample Description:

One (1) piece of submitted sample said to be :

Item Name	:	**Office Chair**
Item No.	:	**SK3069B-Black**
Date Sample Received	:	Dec 08, 2023
Testing Period	:	Dec 08, 2023 to Dec 29, 2023




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To be continued

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111, Huichuang Kongjian, TCL Cultural Industrial Park, No.69, Guangpu Road, Huangpu District, Guangzhou, Guangdong, China. / Room 401/501/601/801/901/1003, No. 8, East BaoYing Road, Huangpu District, Guangzhou, China
广州市黄埔区光谱西路 69 号 TCL 文化产业园汇创空间 111 室/广州市黄埔区保盈东路 8 号 401 房、501 房、601 房、801 房、901 房、1003 房

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Tests conducted:
As requested by the applicant, refer to attached page(s) for details.

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Conclusion:

Tested samples	Standard	Result
Submitted sample	EN 1335-2:2018 - Office Furniture – Office Work Chair – Part 2: Safety Requirements (Excluding clause 6: information for use)	Pass

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Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines

Victor T.J. Wang
Assistant General Manager

Intertek Testing Services Shenzhen Limited, Guangzhou Branch
深圳天祥质量技术服务有限公司广州分公司
111, Huichuang Kongjian, TCL Cultural Industrial Park, No.69, Guangpu Road, Huangpu District, Guangzhou, Guangdong, China. / Room 401/501/601/801/901/1003, No. 8, East BaoYing Road, Huangpu District, Guangzhou, China
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Tests Conducted

1 Safety Requirements for Office Work Chairs

Test standard: EN 1335-2:2018 - Office Furniture - Office Work Chair - Part 2: Safety Requirements.

Number of sample tested: One (1) piece

Overall dimensions: 720 mm W x 695 mm D x 1010~1090 mm H

Weight: 16.2 kg

Base radius: 345 mm

Initial inspection: No damage was found.

Executive summary

Clause	Test Item / Requirements	Result
1	Scope	
2	Normative references	
3	Terms and definitions	
4	Safety requirements	
4.1	General The chair shall be so designed as to minimize the risk of injury to the user. 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 fulfilled when: a) 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; b) The edges of handles are rounded or chamfered in the direction of the force applied; c) All other edges and corners are free from burrs and rounded or chamfered; d) The ends of accessible hollow components are closed or capped. Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided. It shall be possible to operate the adjusting devices from sitting position in the chair. It shall not be possible for any load bearing part of the chair to come loose unintentionally.	P

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Tests Conducted

Clause	Test Item / Requirements	Result
4.2	Shear and squeeze points	
4.2.1	Shear and squeeze points under influence of powered mechanisms There shall be no accessible shear and squeeze points created by parts of the chair operated by powered mechanisms, i.e. springs, gas lifts and motorized systems.	P
4.2.2	Shear and squeeze points during use There shall be no accessible shear and squeeze points created by loads applied during normal use. Shear and squeeze points are not acceptable if there is a risk of injury created by the weight of the user during normal movements and actions, e.g. manipulating levers and crank handles.	P
4.3	Sequence of testing	
4.4	Stability tests and requirements When tested, the seating shall not overturn.	P (See remark 1)
4.5	Structural safety requirements The structural safety requirements are met when the requirements according to 5.2 are fulfilled.	P
5	Strength and durability	
5.1	General	See remark 2
5.2	Requirements The strength and durability requirements are fulfilled when, after testing in accordance with Table 2: a) There are no fractures of any member, joint or component; b) There is no loosening of joints intended to be rigid; and c) The chair fulfils its functions after removal of the test loads.	P (See remark 2)
5.3	Rolling resistance test and requirements The rolling resistance test shall be carried out after the stability (according to Table 1) and after the strength and durability tests (according to Table 2). The unloaded chair shall be tested for rolling resistance according to EN 1728:2012, 6.30 and shall fulfil the following requirements: a) The castors shall be of identical construction; b) The rolling resistance shall be ≥ 12 N.	P

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Tests Conducted

Clause	Test Item / Requirements	Result
6	Information for use Information for use shall be available in the language of the country in which the product will be available to the end user. It shall contain at least the following details: a) Information regarding the intended use; b) Information regarding possible adjustments; c) Instruction for operating the adjusting mechanisms; d) Instruction for the care and maintenance of the chair; e) Information for chairs with seat height adjustments with energy accumulators that only trained personnel may replace or repair seat height adjustment components with energy accumulators; f) Information on the choice of castors in relation to the floor surface.	See note 1
7	Test report	
Annex A	Loads, masses and cycles for functional tests – Suggested loads, masses and cycles	P (See remark 3)

Abbreviation: P = Pass

Remark:

1: Stability tests

With reference to EN 1022: 2018 – Furniture – Seating – Determination of Stability, the submitted sample was subjected to the following tests:

Number of sample tested: One (1) piece.

Executive summary: (Before strength and durability test)

Test Item	Test Method	Test Parameters	Result
Corner stability	EN 1022: 2018 clause 7.3.3	Force F1: 300 N; 1 cycle	P
Forward overturning	EN 1022: 2018 clause 7.3.1	Force F1: 600 N; Force F2: 20 N; 1 cycle	P
Forward overturning for chairs with footrests	EN 1022: 2018 clause 7.3.2	Force F1: 1100 N; Force F2: 20 N; 1 cycle	NA
Sideways overturning for chair without arm rests	EN 1022: 2018 clause 7.3.4	Force F1: 600 N; Force F2: 20 N; 1 cycle	NA

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深圳天祥质量技术服务有限公司广州分公司
111, Huichuang Kongjian, TCL Cultural Industrial Park, No.69, Guangpu Road, Huangpu District, Guangzhou, Guangdong, China. / Room 401/501/601/801/901/1003, No. 8, East BaoYing Road, Huangpu District, Guangzhou, China
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Test Item	Test Method	Test Parameters	Result
Sideways overturning for chairs with arm rests	EN 1022: 2018 clause 7.3.5.1 and 7.3.5.2	Force F1: 250 N; Force F2: 350 N; Force F3: 20 N; 1 cycle	P
Rearwards overturning of chairs without back rest inclination and for chairs with adjustable backrest inclination that can be locked	EN 1022: 2018 clause 7.3.6	Force F1: 600 N; Force F2: 0.2857 x (1000-H) N; 1 cycle Note: H = height of the loaded seat above the floor in millimetres.	P
Rearwards overturning for chairs with back rest inclination	EN 1022: 2018 clause 7.4	Number of Discs: 13; 1 cycle	P

Abbreviation: P = Pass; NA = Not Applicable

Executive summary: (After strength and durability test)

Test Item	Test Method	Test Parameters	Result
Corner stability	EN 1022: 2018 clause 7.3.3	Force F1: 300 N; 1 cycle	P
Forward overturning	EN 1022: 2018 clause 7.3.1	Force F1: 600 N; Force F2: 20 N; 1 cycle	P
Forward overturning for chairs with footrests	EN 1022: 2018 clause 7.3.2	Force F1: 1100 N; Force F2: 20 N; 1 cycle	NA
Sideways overturning for chair without arm rests	EN 1022: 2018 clause 7.3.4	Force F1: 600 N; Force F2: 20 N; 1 cycle	NA
Sideways overturning for chairs with arm rests	EN 1022: 2018 clause 7.3.5.1 and 7.3.5.2	Force F1: 250 N; Force F2: 350 N; Force F3: 20 N; 1 cycle	P

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Tests Conducted

Test Item	Test Method	Test Parameters	Result
Rearwards overturning of chairs without back rest inclination and for chairs with adjustable backrest inclination that can be locked	EN 1022: 2018 clause 7.3.6	Force F1: 600 N; Force F2: 0.2857 x (1000-H) N; 1 cycle Note: H = height of the loaded seat above the floor in millimetres.	P
Rearwards overturning for chairs with back rest inclination	EN 1022: 2018 clause 7.4	Number of Discs: 13; 1 cycle	P

Abbreviation: P = Pass; NA = Not Applicable

2: Strength and durability

With reference to EN 1728: 2012– Furniture – Seating – Test Methods for the Determination of Strength and durability, the submitted sample was subjected to the following tests.

Number of sample tested: One (1) piece.

Executive summary:

Test Item	Test Method	Test Parameters	Result
Combined seat and back static load test	EN 1728: 2012clause 7.3	Seat force F1: 1600 N; Back rest force F2: 560 N; 10 cycles	P
Seat front edge static load test	EN 1728: 2012clause 7.4	Force: 1600 N; 10 cycles	P
Foot rest static load test	EN 1728: 2012 clause 7.8	Force: 1300 N; 10 cycles	NA

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深圳天祥质量技术服务有限公司广州分公司
111, Huichuang Kongjian, TCL Cultural Industrial Park, No.69, Guangpu Road, Huangpu District, Guangzhou, Guangdong, China. / Room 401/501/601/801/901/1003, No. 8, East BaoYing Road, Huangpu District, Guangzhou, China
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Tests Conducted

Test Item	Test Method	Test Parameters	Result
Seat and back durability	EN 1728: 2012 clause 7.9	Step 1 – Loading point A: Force: 1500 N; 120000 cycles	P
		Step 2 – Loading point C & B: Force at point C: 1200 N; Force at point B: 320 N; 80000 cycles	P
		Step 3 – Loading point J & E: Force at point J: 1200 N; Force at point E: 320 N; 20000 cycles	P
		Step 4 – Loading point F & H: Force at point F: 1200 N; Force at point H: 320 N; 20000 cycles	P
		Step 5 – Loading point D & G: Force at point D and G: 1100 N; 20000 cycles	P
Armrests durability	EN 1728: 2012 clause 7.10	Force: 400 N; 60000 cycles	P
Armrest downward static load test - central	EN 1728: 2012 clause 7.5	Force: 750 N[a] 5 cycles; Force: 900 N[b] 5 cycles	P
[a] This test shall be carried out before the stability tests [b] This test shall be carried out after the stability tests			

Abbreviation: P = Pass; NA = Not Applicable

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3: Functional tests – Annex A

With reference to EN 1728: 2012 – Furniture – Seating – Test Methods for the Determination of Strength and durability, the submitted sample was subjected to the following tests.

Number of sample tested: One (1) piece.

Test Item	Test Method	Test Parameters	Result
Arm rest downward static load test – front	EN 1728: 2012 clause 7.6	Force：450 N Cycles： 5	P
Arm rest sideways static load test	EN 1728: 2012 clause 7.7	Force：400 N Cycles： 10	P
Swivel test	EN 1728: 2012 clause 7.11	Mass M1 ： 60 kg Mass M2：35 kg Cycles：120 000	P
Foot rest durability	EN 1728: 2012 clause 7.12	Force：400 N Cycles： 10	NA
Castor and chair base durability	EN 1728: 2012 clause 7.13	Mass M1 ： 110 kg Cycles：36 000	P

Abbreviation: P = Pass; NA = Not Applicable

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深圳天祥质量技术服务有限公司广州分公司
111, Huichuang Kongjian, TCL Cultural Industrial Park, No.69, Guangpu Road, Huangpu District, Guangzhou, Guangdong, China. / Room 401/501/601/801/901/1003, No. 8, East BaoYing Road, Huangpu District, Guangzhou, China
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Tests Conducted

1. No Product information was provided for review. It shall contain at least the following details: Information for use shall be available in the language of the country in which the product will be available to the end user. It shall contain at least the following details:
a) information regarding the intended use;
b) information regarding possible adjustments;
c) instruction for operating the adjusting mechanisms;
d) instruction for the care and maintenance of the chair;
e) information for chairs with seat height adjustments with energy accumulators that only trained personnel may replace or repair seat height adjustment components with energy accumulators;
f) information on the choice of castors in relation to the floor surface.

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End of report

Intertek Testing Services Shenzhen Limited, Guangzhou Branch
深圳天祥质量技术服务有限公司广州分公司
111, Huichuang Kongjian, TCL Cultural Industrial Park, No.69, Guangpu Road, Huangpu District, Guangzhou, Guangdong, China. / Room 401/501/601/801/901/1003, No. 8, East BaoYing Road, Huangpu District, Guangzhou, China
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To:	FOSHAN NANHAI LAINUO FURNITURE CO., LTD	Ref:	FC-240
Attention:	SIMONE	Date:	Jan 12, 2024

Re : Report Revision Notification

Intertek Testing Services Report Number GZHH00519957 Dated Jan 02, 2024

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now supersede by a revised Intertek Testing Services Report, GZHH0051995701 & GZHH0051995702

Details of report amendment：

1. Apart the report per client's request.

Thank you for your attention.

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines

Victor T.J. Wang
Assistant General Manager

Intertek Testing Services Shenzhen Limited, Guangzhou Branch
深圳天祥质量技术服务有限公司广州分公司
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