

Applicant: FOSHAN NANHAI LAINUO FURNITURE CO., LTD

SHAZUI INDUSTRIAL AREA, JIUJIANG TOWN, NANHAI, FOSHAN CITY, GUANGDONG PROVINCE,

CHINA

Attn: SIMONE

Date: Jan 12, 2024

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









To be continued

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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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Tests conducted:

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

Conclusion:

Tested samples Standard Result EN 1335-2:2018 - Office Furniture - Office Work Chair Submitted sample **Pass**

- Part 2: Safety Requirements

(Excluding clause 6: information for use)

Authorized by:

For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch, Hardlines

Victor T.J. Wang

Assistant General Manager

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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	Р			
	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.				







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	Р
	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.	
4.2.2	Shear and squeeze points during use	Р
	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.	
4.3	Sequence of testing	
4.4	Stability tests and requirements	Р
	When tested, the seating shall not overturn.	(See remark 1)
4.5	Structural safety requirements	Р
	The structural safety requirements are met when the requirements according to 5.2 are fulfilled.	
5	Strength and durability	
5.1	General	See remark 2
5.2	Requirements	P (See remark 2)
	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.	
5.3	Rolling resistance test and requirements	Р
	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.	









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	Force F1: 300 N;	Р
	clause 7.3.3	1 cycle	
Forward	EN 1022: 2018	Force F1: 600 N;	Р
overturning	clause 7.3.1	Force F2: 20 N;	
		1 cycle	
Forward	EN 1022: 2018	Force F1: 1100 N;	NA
overturning for	clause 7.3.2	Force F2: 20 N;	
chairs with		1 cycle	
footrests			
Sideways	EN 1022: 2018	Force F1: 600 N;	NA
overturning for	clause 7.3.4	Force F2: 20 N;	
chair without		1 cycle	
arm rests			



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Tests Conducted

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	Р
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.	Р
Rearwards overturning for chairs with back rest inclination	EN 1022: 2018 clause 7.4	Number of Discs: 13; 1 cycle	Р

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







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.	Р
Rearwards overturning for chairs with back rest inclination	EN 1022: 2018 clause 7.4	Number of Discs: 13; 1 cycle	Р

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	EN 1728:	Seat force F1: 1600 N;	Р
and back static	2012clause 7.3	Back rest force F2: 560 N;	
load test		10 cycles	
Seat front edge	EN 1728:	Force: 1600 N;	Р
static load test	2012clause 7.4	10 cycles	
Foot rest static	EN 1728: 2012	Force: 1300 N;	NA
load test	clause 7.8	10 cycles	







Tests Conducted

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

Abbreviation: P = Pass; NA = Not Applicable







Tests Conducted

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	Р
Arm rest sideways static load test	EN 1728: 2012 clause 7.7	Force: 400 N Cycles: 10	Р
Swivel test	EN 1728: 2012 clause 7.11	Mass M1: 60 kg Mass M2: 35 kg Cycles: 120 000	Р
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	Р

Abbreviation: P = Pass; NA = Not Applicable







Tests Conducted

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.

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $\mathbf{w} = \mathbf{U}$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) tested. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Shenzhen Limited, Guangzhou Branch. The testing data and result issued by this report are just for scientific research, teaching, internal quality control, product research and development etc. on reference only in the territory of the People's Republic of 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

