

## Test Report

No.: AJD201206848-1

Date: NOV.30, 2012

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LINAN SAIMEI FURNITURE CO., LTD

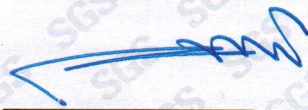
NO.58 DATANG ROAD GUAFAN ECONOMIC ZONE LINAN HANGZHOU 311300, CHINA

**THIS TEST REPORT IS TO SUPERSEDE TEST REPORT NO.: AJD201206848, DATE: 11/29/2012**

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

Sample Description : METAL CHAIR  
Type/Style : SM-1027C  
Test Requested : BS EN 15373: 2007 FURNITURE-STRENGTH, DURABILITY AND SAFETY-REQUIREMENTS FOR NON-DOMESTIC SEATING (TEST SEVERITY: 1)  
Sample Receiving Date : NOV.09, 2012  
Sample 1<sup>st</sup> Re-Submitted Date : NOV.23, 2012  
Sample 2<sup>nd</sup> Re-Submitted Date : NOV.26, 2012  
Sample 3<sup>rd</sup> Re-Submitted Date : NOV.28, 2012  
Test Performing Date : NOV.09, 2012 TO NOV.28, 2012  
Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)  
Conclusion : THE SUBMITTED SAMPLE **MEETS** THE TEST REQUIREMENTS OF EN 15373(TEST SEVERITY: 1) EXCEPT FOR CLAUSE 7 USE INFORMATION WHICH IS NOT PROVIDED.

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



David Fan  
Engineer

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**AJHG 173239**



## Test Report

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**Test Conducted: EN 15373:2007 (Test severity: 1 )**

Test severity	Type of Use	Application
1	light	hotel bedroom, church, libraries

### Test results:

Clause	Test Item/Requirement	Result	Note
<b>5</b>	<b>Safety requirements</b>	---	---
<b>5.1</b>	<p><b>General</b> The seating shall be designed so as to minimise the risk of injury to the user. All parts of the seating with which the user comes into contact during intended use, shall be designed so that physical injury and damage are avoided. This requirement is met when:</p> <ol style="list-style-type: none"> <li>Edges of the seat, back rest and arm rests which are in contact with the user when sitting in the seating are rounded or chamfered and all other edges accessible during use are free from burrs and/or sharp edges.</li> <li>Ends of hollow components are closed or capped.</li> </ol> <p>Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided. It shall not be possible for any load bearing part of the seating to come loose unintentionally. All parts that are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use.</p>	PASS	---
<b>5.2</b>	<b>Shear and squeeze points</b>	---	---
<b>5.2.1</b>	<p><b>Shear and squeeze points when setting up and folding</b> Unless 5.2.2 or 5.2.3 are applicable, shear and squeeze points that are created only during setting up and folding, including tipping seat actions, are acceptable, because the user can be assumed to be in control of his/her movements and able to cease applying the force immediately upon experiencing pain. The edges of parts moving relative to each other and creating shear and squeeze points shall be as specified in 5.1.</p>	NA	#1
<b>5.2.2</b>	<p><b>Shear and squeeze points under influence of powered mechanisms</b> With the exception of tipping seats there shall be no shear and squeeze points created by parts of the seating operated by powered mechanisms, e.g. springs and gas lifts.</p>	NA	#1

To Be Continued...

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Clause	Test Item/Requirement	Result	Note
5.2.3	<b>Shear and squeeze points during use</b> There shall be no shear and squeeze points created by forces applied during normal use. There shall be no shear and squeeze points if a hazard is created by the weight of the user during normal movements and actions, e.g. attempting to move the seating by lifting the seat or by adjusting the backrest.	PASS	---
5.3	<b>Stability</b>	---	---
5.3.1	<b>General</b>	---	---
5.3.2	<b>Swivelling chairs</b> The requirements are fulfilled if the seating does not overturn when tested in accordance with 5.1 to 5.4 of EN 1335-3:2000. The requirement is satisfied if the seating fulfils the requirement of EN 1022:2005, Clause 6.3.	NA	#1
5.3.3	<b>Non swivelling chairs</b> The requirements are satisfied if the seating fulfils the requirement of EN 1022:2005, clause 6.2 to clause 6.6 or clause 7.	PASS	See Annex I
5.4	<b>Rolling resistance of the unloaded chair</b> The unloaded seating shall not roll unintentionally. This requirement is met when the rolling resistance is $\geq 15$ N with castor type H or $\geq 12$ N with castor type W when tested in accordance with 6.1 of EN 1335-3:2000. The castors shall all be of identical construction.	NA	#1
6	<b>Strength and durability</b> The strength and durability requirements are fulfilled during and after testing in accordance with Table 1 when: 1. There are no fractures of any member, joint or component; 2. There are no loosening of joints intended to be rigid; 3. The seating fulfils its functions after removal of the test loads; 4. Seating fulfils the stability requirements.	PASS	See Annex II
7	<b>Information for use</b> Information for use shall be available in the language of the country in which it will be delivered to the end user. It shall contain at least the following details: a) Information regarding the intended use; b) Assembly instructions, where applicable; c) Instruction for the care and maintenance of the chair; d) If the seating is fitted with castors: Information on the choice of castors in relation to the floor surface; e) If the seating is fitted with seat height adjustments with energy accumulators: an additional note is required pointing out that only trained personnel may replace or repair seat height adjustment components with energy accumulators.	NP	#2

To Be Continued...

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Stability for non swiveling chairs (Test conducted: EN 1022: 2005)			
Test procedure and requirements, all seating: experimental method	EN 1022, 6	---	---
Forwards overbalancing, all seating	EN 1022, 6.2	Stable	---
Forwards overturning for seating with footrest	EN 1022, 6.3	NA	#1
Sideways overbalancing, all seating without arms	EN 1022, 6.4	Stable	---
Sideways overbalancing, all seating with arms	EN 1022, 6.5	NA	#1
Rearwards overbalancing, all seating with backs	EN 1022, 6.6	Stable	---
Test procedures and requirements for seating with variable geometry: experimental method	EN 1022, 7	---	---
Tilting chairs	EN 1022, 7.3	NA	#1
Rocking chairs	EN 1022, 7.4	NA	#1
Reclining chairs with footrest	EN 1022, 7.5	NA	#1
Footrest test	EN 1022, 7.6	NA	#1
Reclining chairs without footrest	EN 1022, 7.7	NA	#1

**Annex II: Result of strength and durability (Test conducted: EN 15373: 2007, Test severity: 1; EN 1728: 2000)**

Test item	Reference	Test parameters		Result	Note
1. Seat and back static load test	EN1728, 6.2.1	Seat: force N Back: force N 10 times	1300 450	PASS	---
2. Seat front edge static load test	EN1728, 6.2.2	Force, N 10 times	1300	PASS	---
3. Additional seat and back static load test for tilting chairs, reclining chairs and loungers	EN1728, 6.3	Seat: force N Back: force N 10 times	--- ---	NA	#1

To Be Continued...

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Test item	Reference	Test parameters	Result	Note
4. Vertical static load on back	EN 15373, Annex A.2	Force, N Seat load	---	#1
5. Foot rail/foot rest and leg rest static load test	EN1728, 6.4	Force, N 10 times	---	#1
6. Arm sideways static load test	EN1728, 6.5	Force, N 10 times	---	#1
7. Wing sideways static load test	EN1728, 6.5	Force, N 10 times	---	#1
8. Arm downwards static load test	EN1728, 6.6	Force, N 10 times	---	#1
9. Vertical upwards static load on arm rests	EN 15373, Annex A.1	Lift 10 times	---	#1
10. Seat and back fatigue test	EN1728, 6.7	Cycles Seat: 1000 N Back: 300 N	50000 PASS	---
11. Additional seat and back fatigue test for tilting chairs, reclining chairs and loungers	EN1728, 6.9	Cycles Seat: 1000 N Back: 300 N	---	NA #1
12. Seat front edge fatigue test	EN1728, 6.8	Cycles Force: 1000 N	25000 PASS	---
13. Arm fatigue test	EN1728, 6.10	Cycles Force: 400 N	---	NA #1
14. Leg rest fatigue test	EN1728, 6.11	Cycles Force: 1000 N	---	NA #1
15. Foot rail fatigue test	EN 15373, Annex A.5	Force: 1000 N	---	NA #1
16. Leg forward static load test	EN1728, 6.12	Force, N Seat load, N 10 times	400 1300 PASS	---
17. Leg sideways static load test	EN1728, 6.13	Force, N Seat load, N 10 times	400 1300 PASS	---
18. Diagonal static load test	EN1728, 6.14	Force, N 10 times	---	NA #1
19. Seat impact test	EN1728, 6.15	Drop height, mm 10 times	180 PASS	---
20. Back impact test	EN1728, 6.16	Height of fall, mm/° 10 times	210/38 PASS	---
21. Arm impact test	EN1728, 6.17	Height of fall, mm/° 10 times	---	NA #1

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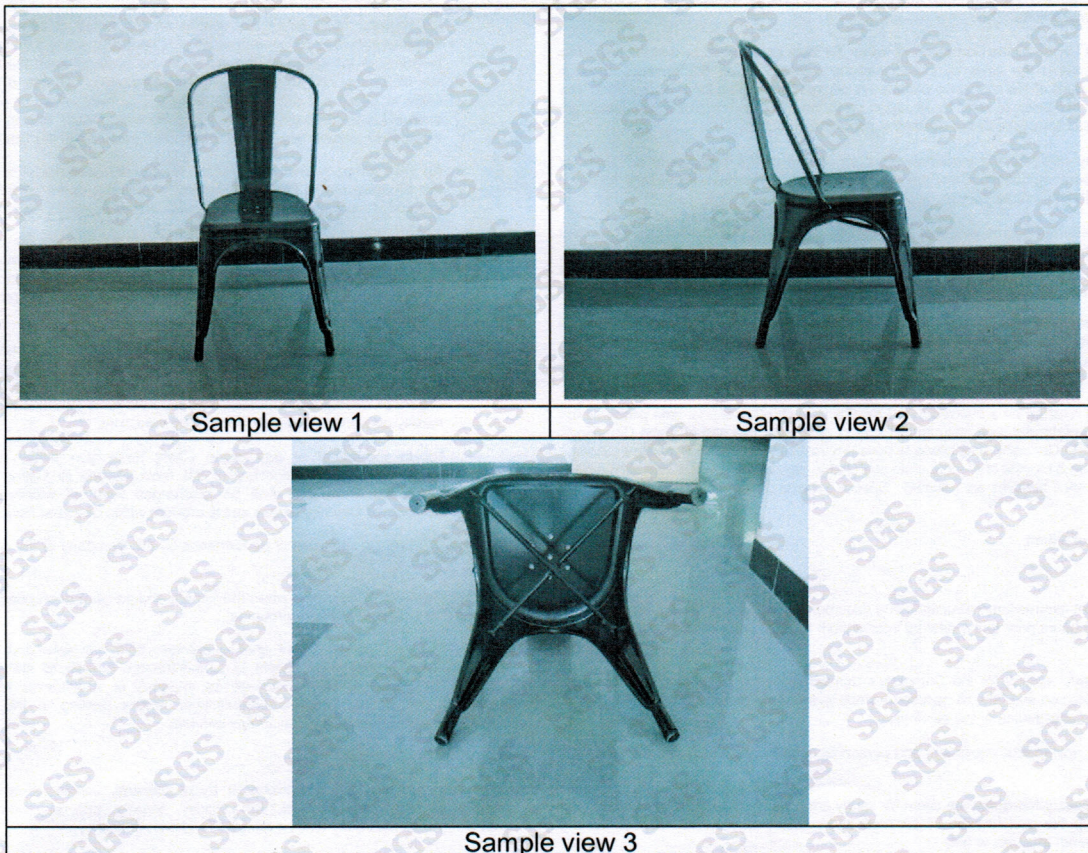
Test item	Reference	Test parameters	Result	Note
22. Drop test (multiple seating)	EN1728, 6.18	Drop height, mm, 2X5 times	---	NA #1
23. Auxiliary writing surface static load test	EN 15373, Annex A.3	Force, N 10 times	---	NA #1
24. Auxiliary writing surface fatigue test	EN 15373, Annex A.4	Cycles Force 150 N	---	NA #1

Notes:

#1: NA means not applicable for this product design.

#2: NP means use information is not provided

Sample Photo:



Sample view 3  
\*\*\*End of Report\*\*\*

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