

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

Sample Description	CHAIR
Style No.	
Item No.	
Supplier Name	
Manufacturer Name	
Country of Origin	CHINA
Sample Receiving Date	NOV 07, 2014
Sample Re-Submitted Date	NOV 12, 2014
Test Performing Date	NOV 07, 2014 to NOV 18, 2014

Test Result Summary			
No.	Test(s) Requested	Result(s)	Comments
1	EN 12520: 2010 Excluding clause 6 information for use	PASS	---
For further details, please refer to the following page(s)			

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



David Fan  
Engineer



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**Test conducted: EN 12520:2010 Furniture–Strength, durability and safety–Requirements for domestic seating**

**Test result:**

Clause	Test Item/Requirement	Result	Note
5	<b>Constructional requirements</b>	---	---
5.1	<p><b>General requirements</b>                      All parts of the seating with which the user comes into contact, during intended use, shall be designed to ensure that physical injury and damage are avoided.                      These requirements are met when:</p> <p>a) edges of the seat, back rest and arm rests, which are in contact with the user when sitting are rounded or chamfered. All other edges accessible during use shall be free from burrs and/or sharp edges;</p> <p>b) ends of hollow components are closed or capped.                      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 which are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use.</p>	PASS	---
5.2	<b>Shear and squeeze points</b>	---	---
5.2.1	<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, as defined in 3.3, that are created only during setting up and folding, including tipping seat, are acceptable, because the user can be assumed to be in control of his/her movements and to be able to cease applying the force immediately upon experiencing pain.</p>	PASS	---
5.2.2	<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 under powered mechanisms e.g. springs and gas lifts.</p>	NA	#1
5.2.3	<p><b>Shear and squeeze points during use</b>                      There shall be no shear and squeeze points created by loads applied during normal use.                      The loads applied during normal use can be found in Table 1.                      Shear and squeeze points are not acceptable 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.</p>	PASS	---
5.3	<p><b>Stability</b>                      The seating shall fulfil the relevant requirements of EN 1022.</p>	PASS	See Annex I



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Clause	Test Item/Requirement	Result	Note
5.4	<p><b>Strength and durability</b> The strength and durability requirements are fulfilled when during and after testing:</p> <ul style="list-style-type: none"> <li>a) there are no fractures of any member, joint or component;</li> <li>b) there are no loosening of joints intended to be rigid;</li> <li>c) seating fulfils its functions after removal of the test loads;</li> <li>d) seating fulfils the stability requirements.</li> </ul>	PASS	See Annex II
6	<p><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:</p> <ul style="list-style-type: none"> <li>a) assembly instructions, where applicable;</li> <li>b) instructions for the care and maintenance of the seating;</li> <li>c) 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.</li> </ul>	NP	#2

**Annex I: Result of stability (Test Conducted: EN 1022: 2005)**

Clause	Test Item	Result	Note
6	Test procedure and requirements, all seating: experimental method	---	---
6.2	Forwards overbalancing, all seating	STABLE	---
6.3	Forwards overturning for seating with footrest	NA	#1
6.4	Sideways overbalancing, all seating without arms	NA	#1
6.5	Sideways overbalancing, all seating with arms	STABLE	---
6.6	Rearwards overbalancing , all seating with backs	STABLE	---
7	Test procedures and requirements for seating with variable geometry: experimental method	---	---
7.3	Tilting chairs	NA	#1
7.4	Rocking chairs	NA	#1
7.5	Reclining chairs with footrest	NA	#1
7.6	Footrest test	NA	#1
7.7	Reclining chairs without footrest	NA	#1



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**Annex II: Result of strength and durability (Test Conducted: EN 12520:2010, EN 1728: 2012)**

Test item	Reference	Test parameters		Result	Note
1. Seat and back static load (for upright chairs)	EN1728, 6.4	Seat: force N Back: force N 10 times	1300 450	PASS	---
2. Seat and back static load (additional test for tilting/ reclining chairs)	EN1728, 6.4	Seat: force N Back: force N 10 times	--- ---	NA	#1
3. Seat front edge static load test	EN1728, 6.5	Force, N 10 times	1300	PASS	---
4. Foot rail static load test	EN1728, 6.8	Force, N 10 times	---	NA	#1
5. Arm sideways static load test	EN1728, 6.10	Force, N 10 times	300	PASS	---
6. Arm downwards static load test	EN1728, 6.11	Force, N 10 times	700	PASS	---
7. Seat and back fatigue test (for upright chairs)	EN1728, 6.17	Cycles Seat: force N Back: force N	25000 1000 300	PASS	---
8. Seat and back fatigue test (for tilting chairs, reclining chairs and loungers)	EN1728, 6.17	Cycles Seat: force N Back: force N	--- --- ---	NA	#1
9. Seat front edge fatigue test	EN1728, 6.18	Cycles Force: 800 N	20000	PASS	---
10. Arm fatigue test	EN1728, 6.20	Cycles Force: 400 N	10000	PASS	---
11. Leg forward static load test	EN1728, 6.15	Force, N Seat load, N 10 times	400 1000	PASS	---
12. Leg sideways static load test	EN1728, 6.16	Force, N Seat load, N 10 times	300 1000	PASS	---
13. Seat impact test	EN1728, 6.24	Drop height, mm 10 times	180	PASS	---
14. Backwards fall test	EN 12520, Annex A.1	Number of impacts	5	PASS	---
15. Back impact test	EN1728, 6.25	Height of fall, mm/ <sup>o</sup> 10 times	---	NA	#1

**Notes:**

- #1: NA means not applicable for this product design.
- #2: NP means use information is not provided.
- As applicant's requirement, the test method of strength and durability is adopted with EN 1728:2012.



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\*\*\*End of Report\*\*\*



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