

Anji Shengxing Office Furniture Co., Ltd
Tangpu Industrial Park, Anji County,
Zhejiang Province, China

Date: Jan. 28, 2026
Our ref: EPOCH
Customer No: 26-3025

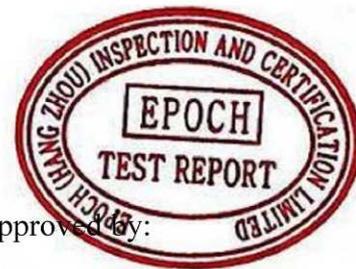
Ref: Test Report

Type of Equipment : Recliner Sofa
Model Designation : SX-81463(Rena Recliner)
Report No. : 26012302501

SUMMARY:

The equipment comply with the requirements according to the following standard:

UNE EN 12520:2025 Furniture - Strength, durability and safety - Requirements for domestic seating



Prepared by:

Wessly wang.

Wessly Wang(Project engineer)

Approved by:

Gorden Cheng

Gorden Cheng(Reviewer)

Note: ALL RESULTS ARE ONLY VALID FOR THE SAMPLES BEING TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE TESTING LABORATORY.

Test Report No.:	26012302501
Client:	Anji Shengxing Office Furniture Co., Ltd Tangpu Industrial Park, Anji County, Zhejiang Province, China
Manufacturer:	Anji Shengxing Office Furniture Co., Ltd Tangpu Industrial Park, Anji County, Zhejiang Province, China
Test item:	Recliner Sofa
Model:	SX-81463(Rena Recliner)
Testing location:	EPOCH(HangZhou) Inspection And Certification Limited 769,5th Floor, 51 Renmin Road, Chengxiang Street, Xiaoshan District, Hangzhou City,Zhejiang Province, China
Test Specification:	UNE EN 12520:2025 Furniture - Strength, durability and safety - Requirements for domestic seating
Test Result:	The test item passed the test specification(s).
Abbreviations:	OK/P = passed Fail/F = failed N/A = not applicable
Remarks:	/

Clause	Requirements	Comments	OK	Fail	N/A
1	<u>Scope</u>		-	-	-
2	<u>Normative References</u>		-	-	-
3	<u>Terms and Definitions</u>		-	-	-
4	<u>Test sequence</u>		-	-	-
5	<u>Constructional requirements</u>	See below	-	-	-
5.1.1	<p>General</p> <p>The seating shall be designed so as to minimize the risk of injury to the user. All parts of the seating with which the user comes into contact during intended use when the seating is positioned in its intended configuration of use shall be designed so that physical injury and damage are avoided.</p> <p>This requirement is met when:</p> <p>a) the edges and corners of the seating which are directly in contact with the user are rounded or chamfered;</p> <p>b) all other edges and corners accessible during intended use are free from burrs and/or sharp edges.</p> <p>Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided.</p> <p>Load bearing parts of the seating shall not become loose unintentionally.</p> <p>All parts that are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use.</p>	Conformed	X		

Clause	Requirements	Comments	OK	Fail	N/A
5.1.2	<p>Holes in tubular or rigid components</p> <p>There shall be no holes in the ends of tubular components or holes in rigid components in accessible parts between 7 mm and 12 mm, unless the depth of penetration is less than 10 mm. This requirement is fulfilled if there is no hazard present when tested in accordance with C.1.</p>	Conformed	X		
5.1.3	<p>Shear and compression points</p>	See below	-	-	-
5.1.3.2	<p>Shear and compression points when setting up and folding</p> <p>Unless 5.1.3.3 or 5.1.3.4 are applicable, shear and compression points that are created only during setting up and folding are acceptable, because the user can be assumed to be in control of their movements and to be able to cease applying the force immediately upon experiencing pain.</p> <p>The edges of parts moving relative to each other and creating shear and compression points shall be as specified in 5.1.1.</p>	Conformed	X		
5.1.3.3	<p>Shear and compression points under influence of non-electrically powered mechanisms</p> <p>With the exception of operation of doors, flaps and extension elements, there shall be no areas where the distance between two accessible parts moving relative to each other can be less than 25 mm, and more than 8 mm in any position during movement that could present a risk of injury to the user, created by parts of the furniture operated by non-electrically powered mechanisms, e.g. mechanical springs and gas lifts.</p> <p>This requirement is fulfilled if there is no hazard present when tested in accordance with C.2.3.</p>	Conformed	X		

Clause	Requirements	Comments	OK	Fail	N/A
5.1.3.4	<p>Shear and compression points during use</p> <p>With the exception of operation of doors, flaps and extension elements, there shall be no areas where the distance between two accessible parts moving relative to each other can be less than 18 mm, and more than 8 mm in any position that could present a risk of injury to the user, created by loads applied during normal use, e.g. attempting to move the seating by lifting the seat or by adjusting the back rest when a person is sitting in the product. The loads used for durability tests within Table 1 are considered representative of normal use. This requirement is fulfilled if there is no hazard present when tested in accordance with C.2.3.</p>	Conformed	X		
5.2	<p>Stability</p> <p>The seating shall fulfill the relevant requirements of UNE EN 1022:2024 after having completed the relevant tests listed in Table 1.</p> <p>In the case of seating, which might not fulfil the stability requirements before carrying out any tests, the applicable stability tests may be carried out before starting the sequence of tests specified in Table 1.</p>	Meet the requirement of UNE EN 1022 and see below	X		
UNE EN 1022:2024 Clause 7	All seating except loungers				
UNE EN 1022:2024 7.1	<p>General</p> <p>The stability tests are not applicable to seating which has both the height of the seat loading point < 200 mm and a mass < 5 kg.</p>	Conformed	X		

Clause	Requirements	Comments	OK	Fail	N/A
UNE EN 1022:2024 7.3.1	<p>Forwards overturning</p> <p>Apply a force F1 of 600 N vertically at the point on the centre line of the seat 60 mm behind the front edge of the load bearing structure.</p> <p>Apply a force F2 of 20 N horizontally outwards along a horizontal line extended forward from the point where the base of the loading pad meets the upper surface of the seat.</p> <p>For seating with a leg rest attached to support the weight of the user, repeat the test procedure on the leg rest with the leg rest fully extended.</p> <p>The seating shall not overturn.</p>	Conformed	X		
UNE EN 1022:2024 7.3.2	<p>Forwards overturning for seating with foot rest</p> <p>For seating with tubular foot rests or the foot rest depth is less than 120 mm, apply the vertical force F1 (single column seats: 1100 N; other seating: 600 N) at the most onerous point along the centre line of the tube or the middle of the foot rest surface. For all other seating with foot rests apply the vertical force F1 at the most onerous point 60 mm from the edge of the foot rest.</p> <p>Apply a force F2 of 20 N horizontally outwards along a horizontal line extended forward from the point where the base of the loading pad meets the upper surface of the foot rest.</p> <p>The seating shall not overturn.</p>				X

Clause	Requirements	Comments	OK	Fail	N/A
UNE EN 1022:2024 7.3.3	<p>Corner stability test</p> <p>This test is only applicable on seating possible to apply the loading pad at the specified position.</p> <p>Define the loading point 60 mm from the edge of the load bearing structure on a line as specified at the corner. Apply a force F1 of 300 N vertically at the loading point. For seating with multiple seats apply the force F1 at the loading point on one outside seating position.</p> <p>The seating shall not overturn.</p>				X
UNE EN 1022:2024 7.3.4	<p>Sideways overturning, all seating without arm rests</p> <p>This test is applicable to all seating where the top edge of the seat on the transverse plane is 50 mm or less above the height of the loaded seat loading point.</p> <p>Apply a force F1 of 600 N vertically at a point 60 mm behind the edge of the load bearing structure on the side nearest the stopped feet and on the seat transverse plane. Apply a sideways force F2 of 20 N horizontally outwards, perpendicular to the median plane, along a line from the point where the base of the loading pad meets the upper surface of the seat.</p> <p>The seating shall not overturn.</p>				X

Clause	Requirements	Comments	OK	Fail	N/A
UNE EN 1022:2024 7.3.5.2	<p>Sideways overturning, all other seating with arm rests</p> <p>Apply a force F1 of 250 N vertically at a point 100 mm to the seat median plane nearest the stopped feet and on the transverse plane. Apply a force F2 of 350 N vertically at a position on the centre line of the arm up to a maximum 40 mm inwards from the outside edge of arm structure on the transverse plane, but not less than 40 mm from the front or rear edge of the arm structure. If the transverse plane does not intersect with arm rest, apply force F2 at 40 mm from the front or rear of the arm structure nearest the transverse plane.</p> <p>Apply a horizontal force F3 of 20 N outwards and perpendicular to the line joining the stopped feet, for at least 5s, at the upper surface of the seat or arm rest in line with the vertical force F2.</p> <p>The seating shall not overturn.</p>	Conformed	X		

Clause	Requirements	Comments	OK	Fail	N/A
UNE EN 1022:2024 7.3.5.3	<p>Sideways overturning, all other seating with raised side edges</p> <p>This test is applicable to all seating where the top edge of the seat on the transverse plane is more than 50 mm above the height of the seat loading point.</p> <p>A resultant force FR ($FR * dR = (F1 * d1) - (F2 * d2)$, d1 = distance from line joining stopped feet to F1; d2 = distance from line joining stopped feet to F2; dR = distance from line joining stopped feet to FR) is applied at the most suitable point on the transverse plane, that provides the same overturning moment of the combined forces F1 of 250 N and F2 of 350 N, when measured from the intersection of the transverse plane and a line joining the stopped feet.</p> <p>Apply a horizontal force F3 of 20 N outwards and perpendicular to the line joining the stopped feet, for (5±2) s, at the upper surface of the raised edge in line with vertical force F2.</p> <p>The seating shall not overturn.</p>				X

Clause	Requirements	Comments	OK	Fail	N/A
UNE EN 1022:2024 7.3.6	<p>Rearwards overturning all seating with back rests</p> <p>The test is not applicable to seating that has adjustable back rest inclination that cannot be locked in position. For seating that has an adjustable back rest inclination that can be locked in position, it shall be locked in the most upright position.</p> <p>Apply a vertical force F1 of 600 N to the seat at seat loading point. Apply the force F2 ($F2 = 80 \text{ N}$ if $H \geq 720 \text{ mm}$; $F2 = 0.2857(1000-H) \text{ N}$ if $300 \text{ mm} \leq H < 720 \text{ mm}$; $F2 = 200 \text{ N}$ if $H < 300 \text{ mm}$. $H =$ Height of loaded seat above the floor, in mm) horizontally rearwards to the seating back at back loading point B, or at the top edge of back rest, whichever is the lower.</p> <p>The seating shall not overturn.</p>	Conformed	X		
UNE EN 1022:2024 7.4.2	<p>Tilt chairs</p> <p>The test method applies to all values of $\theta \geq 10^\circ$ and values of γ between 90° and 170°.</p> <p>If the seating has a locking system, it shall be disabled.</p> <p>Load the seat with the loading discs (single column seats: 13 discs; other seating: 11 discs) so that the discs are firmly settled against the back rest.</p> <p>Apply the loads for $(60 \pm 5) \text{ s}$.</p> <p>The seating shall not overturn.</p>				X

Clause	Requirements	Comments	OK	Fail	N/A
UNE EN 1022:2024 7.4.3	<p>Reclining seating with leg rest</p> <p>The test method applies to all values of $\theta \geq 10^\circ$ and less than 55° and values of γ between 90° and 170°. All other reclining seating with leg rests shall be tested as tilting seating.</p> <p>With the seating in the fully reclined configuration, load the back of the seat with 8 loading discs and place 3 loading discs onto the leg rest at a distance Z from the intersection of the seat and back. Apply the loads for (60 ± 5) s. The seating shall not overturn.</p>	Conformed	X		
UNE EN 1022:2024 7.4.4	<p>Reclining seating without leg rest</p> <p>The test method applies to all values of $\theta \geq 10^\circ$ and less than 45° and values of Y between 90° and 170°. All other reclining seating without foot rests shall be tested as tilting seating.</p> <p>Load the back of the seating with 8 loading discs and place 3 loading discs onto the front of the seat of the chair at a distance X from the intersection of the seat and back. Apply the loads for (60 ± 5) s. The seating shall not overturn.</p>				X
UNE EN 1022:2024 7.4.5	<p>Rearwards stability test for rocking chairs</p> <p>This test replaces the rearwards overturning test from 7.3.6.</p> <p>Load the chair with loading discs (single column seats: No required; other seating: 8 discs) so that the discs rest against the chair back. Move the chair forwards as far as is practicable or until the back is vertical. Allow the chair to rock rearwards freely under gravity. The seating shall not overturn.</p>				X
5.3	<p>Strength and durability</p> <p>Seating shall be tested for strength and durability according to and in the order given in Table 1 and in accordance with the test conditions contained in UNE EN 1728:2013.</p>	See below	X		

Clause	Requirements	Comments	OK	Fail	N/A
UNE EN 1728:2013 Clause 6.4	<p>Seat static load and back static load test</p> <p>For seating without a back rest, only seat force shall be applied.</p> <p>Load seat not being tested with 750 N. Apply specified seat force 1300 N at the seat loading position. With the seat force maintained, apply specified back force 450N at back loading position or at 100 mm below the top of the back.</p> <p>When the back inclination θ is $\leq 55^\circ$ & $< 70^\circ$ to horizontal:</p> <p>Seat force $F1 (N) = 1300 \times \sin \theta$ Back force $F2 (N) = (\theta/60^\circ - 0.1666) \times 1300 \times \cos \theta$</p> <p>When the back inclination θ is $< 55^\circ$ to horizontal:</p> <p>Seat force $F1 (N) = 1300 \times 0.75$ Back force $F2 (N) = 1300 \times 0.75 \times \cos \theta$</p> <p>Repeat the operation for 10 cycles, 10s each cycle. If the item tends to overturn, reduce F2 (min. 410N) to prevent rearwards overturning.</p>	Conformed	X		
UNE EN 1728:2013 Clause 6.5	<p>Seat Front Edge Static Load Test</p> <p>Load seat not being tested with 750 N. Apply the force 1300 N at a point on the seat centre line 100 mm inwards from the front edge of the structure.</p> <p>Repeat the operation for 10 cycles, 10s each cycle. If the seating tends to overturn, reduce the force to a magnitude that just prevents overturning.</p>	Conformed	X		

Clause	Requirements	Comments	OK	Fail	N/A
UNE EN 1728:2013 Clause 6.8	<p>Foot Rest Static Load Test</p> <p>Not apply to seating with a seat height ≤ 600mm.</p> <p>Apply a downward force 750N to seat at the seat loading point. Apply a vertical force 1000N acting 80 mm from front edge of the load bearing structure of the foot rest at the point most likely to cause failure. For round cross section ring shaped footrests, apply the force through the centre of the ring cross section. Repeat the operation for 10 cycles, 10s each cycle. If the seating tends to overturn, increase the load on seat to a magnitude that just prevents overturning.</p>				X
UNE EN 1728:2013 Clause 6.9	<p>Leg rest static load test</p> <p>This test is only applicable to leg rests designed to support the full weight of the user.</p> <p>Apply the downward force of 750 N to the seat at the seat loading point.</p> <p>Apply 1000 N force 100 mm in from the outer edge of the leg rest at the point most likely to cause failure. If the seating tends to overturn, increase the load on seat to a magnitude that just prevents overturning. Repeat the operation for 10 cycles, 10s each cycle.</p>	Conformed	X		
UNE EN 1728:2013 Clause 6.10	<p>Arm Rest Sideways Static Load Test</p> <p>Apply an outward force 300N to one arm rest or to each arm rest of the unit simultaneously at the points along the arm rest most likely to cause failure, but not less than 100 mm from the end of the arm rest structure. Repeat the operation for 10 cycles, 10s each cycle.</p>	Conformed	X		

Clause	Requirements	Comments	OK	Fail	N/A
UNE EN 1728:2013 Clause 6.11	Arm Rest Downwards Static Load Test Apply vertical force 750N to the arm rest or to both arm rests simultaneously at the points along the arm rest most likely to cause failure, but not less than 100 mm from the end of the arm rest structure. Repeat the operation for 10 cycles, 10s each cycle.	Conformed	X		
UNE EN 1728:2013 Clause 6.17	Combined Seat and Back Durability Test For seating without a back rest, only seat force shall be applied. Load seat not being tested with 750 N. Apply specified seat force 1000N at the seat loading position. With the seat force maintained, apply specified back force 300N at back loading position or at 100 mm below the top of the back. When the back inclination θ is $\leq 55^\circ$ & $< 70^\circ$ to horizontal: Seat force $F3 (N) = 1000 \times \sin \theta$ Back force $F4 (N) = (\theta/60^\circ - 0.1666) \times 1000 \times \cos \theta$ When the back inclination θ is $< 55^\circ$ to horizontal: Seat force $F3 (N) = 1000 \times 0.75$ Back force $F4 (N) = 1000 \times 0.75 \times \cos \theta$ Repeat the operation for 25000 cycles. If the item tends to overturn, reduce F4 to prevent rearwards overturning.	Conformed	X		
UNE EN 1728:2013 Clause 6.18	Seat Front Edge Durability Test Apply the vertical force 800N alternately on two points each 80mm from the front edge of the seat structure and as near as possible to either side of the seat but not less than 80mm from the edges. Repeat the test for 20000 cycles. If the item tends to overturn, reduce the force to a magnitude that just prevents overturning.	Conformed	X		

Clause	Requirements	Comments	OK	Fail	N/A
UNE EN 12520:2025 Annex A	Seat side-to-side durability test Only apply for single column. Apply the vertical seat force of 1100 N alternately in positions D and G. One cycle shall consist of the application and removal of the forces at the respective loading points. Repeat the test for 10000 cycles. If the seating tends to overturn reduce the force (min. 800 N). If the seating still tends to overturn even with the minimum force, fix the seating base to the floor.				X
UNE EN 1728:2013 Clause 6.20	Arm Rest Durability test Apply the force of 400 N on each arm rest at the point most likely to cause failure, but not less than 100 mm from the front or rear edge of the arm rest length and through the centre of the width of the arm rest, but not more than 100 mm from the inner edge of the arm rest. Repeat the test for 10000 cycles.	Conformed	X		
UNE EN 1728:2013 Clause 6.15	Leg Forward Static Load Test Not applicable for swivelling single column. Apply the seat load 1000N to all seat loading positions. Apply a horizontal force 400N centrally to the rear of the seat or to the rear of the most adverse seat position for seating with multiple seating positions, at seat level, in a forward direction. Repeat the operation for 10 cycles, 10s each cycle. If the item tends to overturn, reduce the force to a magnitude that just prevents overturning.	Conformed	X		

Clause	Requirements	Comments	OK	Fail	N/A
UNE EN 1728:2013 Clause 6.16	<p>Leg Sideways Static Load Test Not applicable for swivelling single column.</p> <p>Apply the seat load 1000N at a suitable position across the seat but not more than 150 mm from the unloaded edge of the seat. Apply a horizontal force 300N centrally to the unrestrained side of the seat, at seat level, in a direction towards the restrained feet. Repeat the operation for 10 cycles, 10s each cycle. If the item tends to overturn, reduce the force to a magnitude that just prevents overturning.</p>	Conformed	X		
UNE EN 1728:2013 Clause 6.24	<p>Seat Impact Test Allow the seat impactor to fall freely from a height 180 mm onto the seat loading position. Apply the operation for specified cycles (fixed seat height: 10 cycles; adjustable seat height: 5 cycles in highest position and 5 cycles in lowest position). Repeat the test at one other position considered likely to cause failure, but not less than 100 mm from any edge of the seat.</p>	Conformed	X		
UNE EN 1728:2013 Clause 6.28	<p>Backwards Fall Test This test is only for single seating units where the back will be the first part of the structure to strike the floor and the force used to overturn the chair rearwards is less than 30 N.</p> <p>Apply a rearward horizontal load to a point 50 mm below the top of the back rest in the centre of the back rest. Push the top of the back rest rearwards and allow it to fall freely on its back onto the rubber faced test floor without initial force or velocity. Repeat the operation for 5 cycles.</p>				X

Clause	Requirements	Comments	OK	Fail	N/A
UNE EN 1728:2013 Clause 6.25	Back Impact Test This test is for all seating not tested in accordance with Backwards Fall Test. With the front legs, feet or castors restrained by stops from moving forward, strike the structure of the centre of the top outside of the back with the impact hammer through a height 120 mm (or angle 28°). Repeat the operation for 10 cycles.	Conformed	X		
EN 13759:2012	Durability of electrically operated seating products Operate the seating for 5000 cycles with a 100 kg test dummy positioned on the sample.				X
6	Information for use	All information is contained.	X		

Product Photo:



TEST REPORT END