ANJI FUHE FURNITURE CO., LTD
FANTAN INDUSTRIAL ZONE, ANJI COUNTY, ZHEJIANG PROV., CHINA 313300

THE TEST REPORT IS TO SUPERSEDE THE TEST REPORT No.: AJHL241200619801FT, DATE: JAN 02, 2025.

Sample Description : LEISURE CHAIR

Style No. : FS58(Glenfield Corduroy Accent Chair)

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

****

Sample Receiving Date : DEC 27, 2024

Test Performing Date : DEC 27, 2024 to JAN 02, 2025

Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)
1	EN 12520:2024 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 Standards Technical Services Co., Ltd. Anji Branch

Scan to see the report
AJHL241200619801FT-1
Verification:
check.sgsonline.com.cn

David Fan
Authorized Signatory

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com

Test Conducted: **EN 12520:2024 Furniture - Safety, strength and durability – Requirements for domestic seating**

Test Result:

Test Item	Test Method & Test Requirement	Test Result
General safety requirements (EN 12520:2024, 5.1)		
General (EN 12520:2024, 5.1.1)	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. This requirement is met when: a) the edges and corners of the seating which are directly in contact with the user are rounded or chamfered; b) all other edges and corners accessible during intended use are free from burrs and/or sharp edges. Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided. Load bearing parts of the seating shall not become loose unintentionally. All parts that are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use.	PASS
Holes in tubular or rigid components (EN 12520:2024, 5.1.2)	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.	PASS
Shear and compression points (EN 12520:2024, 5.1.3)		
Shear and compression points when setting up and folding (EN 12520:2024, 5.1.3.2)	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. The edges of parts moving relative to each other and creating shear and compression points shall be as specified in 5.1.1.	PASS
Shear and compression points under influence of non-electrically powered mechanisms (EN 12520:2024, 5.1.3.3)	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. This requirement is fulfilled if there is no hazard present when tested in accordance with C.2.3.	NA

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com

Test Item	Test Method & Test Requirement	Test Result
Shear and compression points during use (EN 12520:2024, 5.1.3.4)	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.	PASS
Stability (EN 12520:2024, 5.2) The seating shall fulfil the relevant requirements of EN 1022:2023 after having completed the relevant tests listed in Table 1. 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.		
Test methods for assessing stability of all seating except loungers (EN 1022:2023, 7)		
General (EN 1022:2023, 7.1)	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.	/
Test procedures, all seating (EN 1022:2023, 7.3)		
Forwards overturning (EN 1022:2023, 7.3.1)	Apply a force F_1 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. Apply a force F_2 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. 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.	PASS
Forwards overturning for seating with foot rest (EN 1022:2023, 7.3.2)	For seating with tubular foot rests or the foot rest depth is less than 120 mm, apply the vertical force F_1 (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. Apply a force F_2 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.	NA
Corner stability test (EN 1022:2023, 7.3.3)	This test is only applicable on seating possible to apply the loading pad at the specified position. 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 F_1 of 300 N vertically at the loading point. For seating with multiple seats apply the force F_1 at the loading point on one outside seating position.	NA

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com

Test Item	Test Method & Test Requirement	Test Result
Sideways overturning, all seating without arm rests (EN 1022:2023, 7.3.4)	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. Apply a force F_1 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 F_2 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.	NA
Sideways overturning, all other seating with arm rests (EN 1022:2023, 7.3.5.2)	Apply a force F_1 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 F_2 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 F_2 at 40 mm from the front or rear of the arm structure nearest the transverse plane. Apply a horizontal force F_3 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 F_2.	PASS
Sideways overturning, all other seating with raised side edges (EN 1022:2023, 7.3.5.3)	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. A resultant force F_R ($F_R * d_R = (F_1 * d_1) - (F_2 * d_2)$, d_1 = distance from line joining stopped feet to F_1; d_2 = distance from line joining stopped feet to F_2; d_R = distance from line joining stopped feet to F_R) is applied at the most suitable point on the transverse plane, that provides the same overturning moment of the combined forces F_1 of 250 N and F_2 of 350 N, when measured from the intersection of the transverse plane and a line joining the stopped feet. Apply a horizontal force F_3 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 F_2.	NA
Rearwards overturning all seating with back rests (EN 1022:2023, 7.3.6)	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. Apply a vertical force F_1 of 600 N to the seat at seat loading point. Apply the force F_2 (F_2 = 80 N if H ≥720 mm; F_2 = 0.2857(1000-H) N if 300 mm ≤H<720 mm; F_2 = 200 N if H <300 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.	PASS
Additional test procedures for seating with reclining back rests (EN 1022:2023, 7.4)		

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com

Test Item	Test Method & Test Requirement	Test Result
Tilt chairs (EN 1022:2023, 7.4.2)	The test method applies to all values of $\theta \geq 10°$ and values of γ between 90° and 170°. If the seating has a locking system, it shall be disabled. 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. Apply the loads for (60±5) s.	NA
Reclining seating with leg rest (EN 1022:2023, 7.4.3)	The test method applies to all values of $\theta \geq 10°$ 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. 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.	NA
Reclining seating without leg rest (EN 1022:2023, 7.4.4)	The test method applies to all values of $\theta \geq 10°$ 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. 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.	NA
Rearwards stability test for rocking chairs (EN 1022:2023, 7.4.5)	This test replaces the rearwards overturning test from 7.3.6. Load the chair with the 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.	NA
Loungers (EN 1022:2023, 8)		NA
Strength and durability (EN 12520:2024, 5.3) a) The product shall comply with the applicable requirements in 5.1 before and after testing according to 5.3. b) If the minimum forces given in any of the tests in Table 1 which are applicable, are not achieved, the product shall be considered to have failed the requirements. The strength, durability and stability requirements are fulfilled when, after testing in accordance with Table 1: c) there are no fractures of any member, joint or component; d) there is no loosening of joints intended to be rigid; e) seating fulfils its functions after removal of the test loads; f) seating fulfils the stability requirements (5.2).		
Seat static load and back static load test (EN 1728:2012, 6.4)	For seating without a back rest, only seat force shall be applied. 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. When the back inclination Ø is ≤55º & < 70º to horizontal: Seat force F_1 (N) = 1300 x Sin Ø Back force F_2 (N) = (Ø/60º -0.1666) x 1300 x Cos Ø When the back inclination Ø is <55 º to horizontal: Seat force F_1 (N) = 1300 x 0.75 Back force F_2 (N) = 1300 x 0.75 x Cos Ø Repeat the operation for 10 cycles, 10s each cycle. If the item tends to overturn, reduce F_2 (min. 410N) to prevent rearwards overturning.	PASS

Test Item	Test Method & Test Requirement	Test Result
Seat front edge static load test (EN 1728:2012, 6.5)	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. 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.	PASS
Foot rest static load test (EN 1728:2012, 6.8)	Not apply to seating with a seat height ≤ 600mm. 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.	NA
Leg rest static load test (EN 1728:2012, 6.9)	This test is only applicable to leg rests designed to support the full weight of the user. Apply the downward force of 750 N to the seat at the seat loading point. 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.	NA
Arm rest sideways static load test (EN 1728:2012, 6.10)	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.	PASS
Arm rest downwards static load test (EN 1728:2012, 6.11)	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.	PASS
Combined seat and back durability test (EN 1728:2012, 6.17)	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 Ø is ≤55º & < 70º to horizontal: Seat force F_3 (N)= 1000 x Sin Ø Back force F_4 (N)= (Ø/60º -0.1666) x 1000 x Cos Ø When the back inclination Ø is <55 º to horizontal: Seat force F_3 (N) = 1000 x 0.75 Back force F_4 (N) = 1000 x 0.75 x Cos Ø Repeat the operation for 25000 cycles. If the item tends to overturn, reduce F_4 to prevent rearwards overturning.	PASS
Seat front edge durability test (EN 1728:2012, 6.18)	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.	PASS

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com

Test Item	Test Method & Test Requirement	Test Result
Seat side-to-side durability test (EN 12520:2024, Annex A)	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.	PASS
Arm rest durability test (EN 1728:2012, 6.20)	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.	PASS
Leg forward static load test (EN 1728:2012, 6.15)	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.	NA
Leg sideways static load test (EN 1728:2012, 6.16)	Not applicable for swivelling single column. 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.	NA
Seat impact test (EN 1728:2012, 6.24)	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.	PASS
Backwards fall test (EN 1728:2012, 6.28)	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. 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.	PASS
Back impact test (EN 1728:2012, 6.25)	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.	NA

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com

Test Item	Test Method & Test Requirement	Test Result
Durability of electrically operated seating products (EN 13759:2012)	Operate the seating for 5000 cycles with a 100 kg test dummy positioned on the sample.	NA
Information for use (EN 12520:2024, 6)		
Information for use (EN 12520:2024, 6)	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 (i.e. domestic use); b) assembly instructions, where applicable; c) instructions for the care and maintenance of the seating; d) 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.	NT

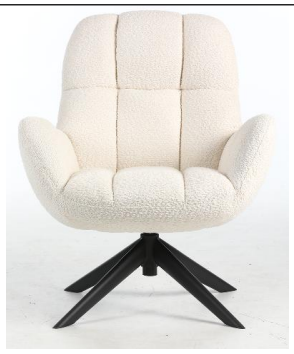
Remark:

1. NA = Not applicable; NT = Not tested
2. This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.
3. The results show in this test report refer only to the sample(s) tested.
4. The content remark with * are updated.

***Sample Information**

Overall dimension: 810 mm (D)×720 mm (W)×890 mm (H)
Radius of base: 380 mm
Weight: 12.20 kg

Photo Appendix



Sample as received - View 1

Sample as received - View 2

SGS authenticate the photo on original report only

End of Report

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编:313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com