

Test Report

No.: TJHL240900835401FT

Date: OCT.15, 2024

Page: 1 of 7

LANG FANG LIU TAI FURNITURE CO, LTD

1009-1. 6-1 BUILDING SIJHUAYU ANCI DISTRIAT, LANGFANG CITY, HEBEI PROVINCE, CHINA

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

Sample Description : BED
 Style/Item No. : KA719 KA721
 Supplier : LANG FANG LIU TAI FURNITURE CO, LTD
 Manufacture : BA ZHOU BOTAI FURNITURE CO, LTD
 Country of Origin : CHINA
 Country of Destination : UK

Sample Receiving Date : SEP.25, 2024
 Testing Period : SEP.25, 2024 TO OCT.15, 2024
 Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
 Test Requested : PLEASE REFER TO THE RESULT SUMMARY.
 Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)
 Test Summary :

Test Requested	Conclusion
EN 1725:2023 FURNITURE - BEDS - REQUIREMENTS FOR SAFETY, STRENGTH AND DURABILITY EXCLUDING DURABILITY OF MECHANISMS FOR LIFTING BED BASES & CLASUE 7	Pass

Signed for and on behalf of
 SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.



Michael Wen
 Authorized Signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Building C-9, No.80, Haiyun Avenue, TEDA, Tianjin, China 300457 t(86-22) 59995061
 中国·天津·经济技术开发区海云街80号C-9厂房 邮编: 300457 t(86-22) 59995061

www.sgs.com
sgs.china@sgs.com

Test Report

No.: TJHL240900835401FT

Date: OCT.15, 2024

Page: 2 of 7

Test Conducted:

EN 1725:2023 Furniture - Beds - Requirements for safety, strength and durability

Testing Condition : All the physical test is carry out on 23°C±2°C & 60±5% R.H. condition.

Test application : Domestic

Nos. of Specimen : (1) pc.

Sample description : complete bed

Test Result : Details shown as following table

Test and Requirements	Test Results
6 Safety requirements	
6.1 General requirements	
<p>The bed shall be designed so as to minimize the risk of injury to the user. All parts of the bed 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> <ul style="list-style-type: none"> a) edges which are directly in contact with the user are rounded or chamfered; b) all other edges accessible during intended use are free from burrs and/or sharp edges and corners. <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 bed to come loose unintentionally.</p>	Pass
6.2 Holes in tubular or rigid components	
<p>There shall be no holes in tubular components or holes in rigid components in accessible parts between 8 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 A.1.</p>	Pass
6.3 Shear and compression points	
6.3.1 General	
<p>The requirements contained in 6.3.2, 6.3.3 and 6.3.4 do not apply to electrically operated furniture.</p>	
6.3.2 Shear and compression points when setting up and folding	
<p>Unless 6.3.3 or 6.3.4 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 his/her 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 6.1.</p>	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Building C-9, No.80, Haiyun Avenue, TEDA, Tianjin, China 300457 t(86-22) 59995061

www.sgs.com

中国·天津·经济技术开发区海云街80号C-9厂房 邮编: 300457 t(86-22) 59995061

sgs.china@sgs.com

Test and Requirements	Test Results
<p>6.3.3 Shear and compression points under influence of powered mechanisms 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 powered mechanisms, e.g. mechanical springs and gas lifts. This requirement is fulfilled if there is no hazard present when tested in accordance with A.2.2.</p>	Pass
<p>6.3.4 Shear and compression points during use 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. The loads used for durability tests are considered representative of normal use. This requirement is fulfilled if there is no hazard present when tested in accordance with A.2.3.</p>	Pass
<p>6.4 Entanglement hazards</p>	
<p>6.4.1 General</p>	
<p>This requirement only applies to beds where a pull, cord or loop is used to lift and close the bed base to access storage areas, and where the pull, cord or loop is 600 mm or more above the floor when the bed base is in the open position</p>	
<p>6.4.2 Requirements Pulls, cords and similar parts shall have a maximum free length of 220 mm when tested in accordance with 6.3.3. Where pulls, cords and similar parts are attached to the bed base, or within 80 mm of each other, all single cords shall have a maximum free length of 220 mm and the combined length from one loose end to the end of another loose end shall be a maximum of 360 mm. If it is possible to form a loop with cords, ribbons or part used as ties the peripheral dimension shall be a maximum of 360 mm, when tested in accordance with 6.3.3. Monofilament threads shall not be used.</p> <p>6.4.3 Test method The length of a pull, cord or similar part shall be measured from the fixing point on the bed base to the free end of the pull, cord or similar part under a 25 N tensile force. The peripheral dimension of a loop shall be measured from the fixing point on the bed base of one end of the loop to the fixing point of the other end under a 25 N tensile force.</p>	NA
<p>6.6 Stability, strength and durability</p>	
<p>The safety, stability, strength and durability requirements are fulfilled when during and after testing in accordance with Table 2:</p>	
<ul style="list-style-type: none"> a) there are no fractures of any member, joint or component; b) there is no loosening of joints intended to be rigid; c) the bed fulfils its functions after removal of the test loads; d) the folding legs shall not fold under test forces; e) when tested according to Table 2, test 12 the test unit shall not overturn. 	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Building C-9, No.80, Haiyun Avenue, TEDA, Tianjin, China 300457 t(86-22) 59995061
 中国·天津·经济技术开发区海云街80号C-9厂房 邮编: 300457 t(86-22) 59995061

www.sgs.com
sgs.china@sgs.com

Test and Requirements	Test Results
<p>ISO 19833:2018, 6.3.1 Vertical static load test on bed base Apply the vertical force (F) downwards using the loading pad. Apply the force at all points of the bed base where failure is likely to occur, but not less than 100 mm from any edge. If there are several such positions, carry out the test at a maximum of 4 different positions. Each force shall be applied for the number of cycles specified in the requirements document or should be applied for the number of cycles.</p>	Pass
<p>ISO 19833:2018, 6.3.2 Vertical static load on side rail Using two small loading pads, apply two vertical downward forces F1 and F2 simultaneously for 1 min on the centre line of the top surface of one side rail. The loading points shall be 300 mm either side of the middle point line of the side rail (M). The bed shall be loaded sufficiently to prevent it from overturning. If the materials/constructions are not identical, repeat the test on the other side rail. The test shall be carried out for the number of cycles specified.</p>	Pass
<p>ISO 19833:2018, 6.4.1 Horizontal static load on headboard of beds ≤ 1 200 mm in width Apply the mass on the centre line of the bed base, 175 mm from the headboard. Apply the outward force using the loading pad. The loading point shall be at 600 mm above the upper surface of the bed base or at a point 100 mm below the upper edge of the headboard, whichever is the lower. The loading point shall be at the centre line of the headboard. The mass, the force and the number of cycles to be used to carry out the test shall be as specified.</p>	NA
<p>ISO 19833:2018, 6.4.2 Horizontal static load on headboard of beds > 1 200 mm in width Apply two masses simultaneously at points on a line 175 mm from the headboard, 300 mm on either side of the centre line of the bed base. Apply two horizontal outward forces simultaneously using the loading pad. The loading points shall be at 600 mm above the upper surface of the bed base or at a point 100 mm below the upper edge of the headboard, whichever is the lower. The loading points shall be 300 mm on either side of the centre line of the headboard. The masses, the forces and the number of cycles to be used to carry out the test shall be as specified.</p>	Pass
<p>ISO 19833:2018, 6.4.3 Horizontal static load test for beds without headboards and for all beds with folding legs (with or without headboards) Place the mass at the approximate centre of the bed base. Apply the horizontal force using the loading pad. The loading point shall be at the centre line of the end member, 50 mm below the upper edge of the end member which is furthest away from the stops. The mass, the force and the number of cycles to be used to carry out the test shall be as specified.</p>	NA



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Building C-9, No.80, Haiyun Avenue, TEDA, Tianjin, China 300457 t(86-22) 59995061

www.sgs.com
sgs.china@sgs.com

中国·天津·经济技术开发区海云街80号C-9厂房 邮编: 300457 t(86-22) 59995061

Test and Requirements	Test Results
<p>ISO 19833:2018, 6.5.1 Vertical durability test of bed base For beds > 1 200 mm in width, position the test mass at the geometric centre of the unloaded half part of the bed base. For beds ≤ 1 200 mm in width, apply the vertical downward force without positioning the test mass. If the bed tends to overturn, load the bed base gradually to prevent overturning. The force and the number of cycles to be used to carry out the test shall be as specified.</p>	<p>Pass</p>
<p>ISO 19833:2018, 6.5.2 Horizontal durability test of bed frame Apply two horizontal forces F1 and F2 alternately by means of the small loading pad at the unrestrained bed end and perpendicular to the longitudinal axis of the side rail. The loading points shall be at the height of the upper surface of the bed base, 100 mm inboard from the outside plane of the end member. One application of the force in each direction represents one cycle. The forces and the number of cycles to be used to carry out the test shall be as specified. The cycle rate shall not exceed 5 cycles per minute.</p>	<p>Pass</p>
<p>ISO 19833:2018, 6.6 Vertical impact test The impactor shall be lifted to the height (measured from the top face of the unloaded mattress) specified. Let it drop freely onto the mattress at the points and cycles specified.</p>	<p>Pass</p>
<p>ISO 19833:2018, 7.2 Durability of mechanisms for lifting bed bases Lift and close the bed base at a rate of 3 cycles per minute. One cycle shall comprise movement from the lowest position to the maximum lifted position and back again without applying any force to latching and/or activating mechanisms. The latching and/or activating mechanisms may be cycled concurrently or independently for the complete test. The number of cycles to be used for the test shall be as specified.</p>	<p>NC</p>
<p>EN 13759:2012 Durability of sofa-bed function Tested according to EN 13759:2012 with the specified cycles.</p>	<p>NA</p>
<p>EN 1725:2023, 6.5 Durability of electrically operated beds Load the bed using the test dummy. One cycle is defined as the complete sequence of steps until return to the starting point. After testing, the electrically operated function shall continue to operate.</p>	<p>NA</p>
<p>ISO 19833:2018, 6.2 Stability Apply two downward forces F1 and F2 simultaneously by means of the small loading pad at point A and point B, 60 mm behind the front edge of the bed sides. At each loaded position, apply two outward forces F3 and F4 simultaneously for at least 5 s along a horizontal line extended forward from the point where the base of the loading pad meets the upper surface of the bed side/bed frame. The forces shall be as specified. Repeat the same test at one end of the bed. If the headboard and footboard are of the same construction, perform the test at the side containing the footboard.</p>	<p>Pass</p>



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Building C-9, No.80, Haiyun Avenue, TEDA, Tianjin, China 300457 t(86-22) 59995061

中国·天津·经济技术开发区海云街80号C-9厂房 邮编: 300457 t(86-22) 59995061

www.sgsgroup.com.cn
sgs.china@sgs.com

Test and Requirements	Test Results
<p>7 Information for use 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"> a) assembly instructions, where applicable; b) instructions for the care and maintenance of the bed; c) information on the size of the manufacturer’s recommended mattress, where applicable; d) information on the maximum weight of the manufacturer’s recommended mattress, where applicable (e.g. electrically operated beds, lifting bed mechanism). 	<p>NC</p>

- Notes : # 1- NA means not applicable to this product design.
 # 2- NC means not conducted as per client request.

Remark:

1. Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusion of this report are only made for these data and / or information, SGS is not responsible for the authenticity, integrity and results for the data and information and / or the validity of the conclusion. Testing results only apply to the sample as received.
2. The declaration of conformity is only based on the actual value of laboratory activity; measurement uncertainty of the results not take into account.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Building C-9, No.80, Haiyun Avenue, TEDA, Tianjin, China 300457 t(86-22) 59995061
 中国·天津·经济技术开发区海云街80号C-9厂房 邮编: 300457 t(86-22) 59995061

www.sgs.com.cn
sgs.china@sgs.com

Sample Photo:



SGS authenticate the photo on original report only

End of Report



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Building C-9, No.80, Haiyun Avenue, TEDA, Tianjin, China 300457 t(86-22) 59995061
 中国·天津·经济技术开发区海云街80号C-9厂房 邮编: 300457 t(86-22) 59995061

www.sgs.com
sgs.china@sgs.com