

# TEST REPORT

**APPLICANT** : Zhejiang Kress Industry & Trade Co., Ltd

**ADDRESS** : NO.6 Chuangyi Road, Longshan town, Yongkang, Zhejiang, China, 321300

**SAMPLE DESCRIPTION** : Swing Chair

**ITEM NO.** : KLS-E003

**COUNTRY OF ORIGIN** : China

**MANUFACTURER** : Zhejiang Kress Industry & Trade Co., Ltd

**SAMPLE RECEIVED DATE** : 27-Jul-2021

**TURN AROUND TIME** : 27-Jul-2021 to 02-Aug-2021

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

| TEST REQUESTED                                                                                                                                       | TEST METHOD/REGULATION | RESULT |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------|
| Outdoor furniture -- Seating and tables for camping, domestic and contract use -- Part 1. General safety requirements                                | EN 581-1:2017          | Pass   |
| Outdoor furniture -- Seating and tables for camping, domestic and contract use -- Part2: Mechanical safety requirements and test methods for seating | EN 581-2:2015+AC: 2016 | Pass   |

## Eurofins (Hangzhou) contact information

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\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., Ltd Hangzhou Branch



Jack Ma  
Lab Manager of HZ Hardline Laboratory

*Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to [info.hz@eurofins.com](mailto:info.hz@eurofins.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to [chinacomplaint@eurofins.com](mailto:chinacomplaint@eurofins.com) and referring to this report number.*

**SAMPLE PHOTO(S)**



**A**

**EFHZ21073238-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

**REFERENCE SAMPLE PHOTO(S)**

The reference sample has not been tested in current report, but according to customer's request, the picture has also been included. For sample tested in current report, please refer to "sample photo".

**EFHZ21073238-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

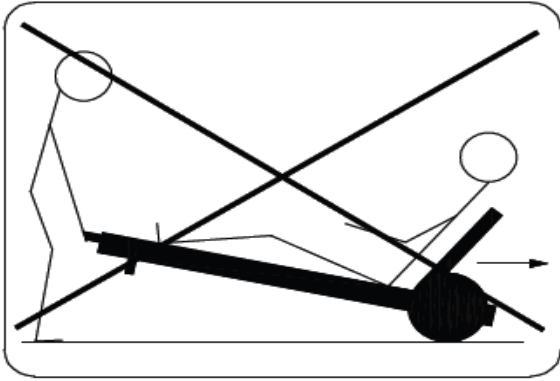
## TEST RESULT

### **Outdoor furniture -- Seating and tables for camping, domestic and contract use -- Part2: Mechanical safety requirements and test methods for seating (EN 581-2:2015+AC: 2016)**

- 1) Test level: Domestic use
- 2) Height of the seating: 400mm
- 3) Number of tested sample: 1 Piece
- 4) Test result: details as following tables

| Clause | Test Items / Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                         | Result                   |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 6      | Safety, strength and durability requirements for loungers                                                                                                                                                                                                                                                                                                                                                                                                        |                          |
| 6.1    | General<br>Before and after the strength, durability and stability tests are carried out, the EN 581-1 requirements shall be fulfilled.                                                                                                                                                                                                                                                                                                                          | N/A                      |
| 6.2    | Stability, strength and durability                                                                                                                                                                                                                                                                                                                                                                                                                               |                          |
| 6.2.1  | Test sequence and parameters<br>The lounger shall be tested following the order listed in Table 1.                                                                                                                                                                                                                                                                                                                                                               | N/A                      |
| 6.2.2  | Requirements<br>The safety, strength and durability requirements are fulfilled after testing in accordance with Table 1 when:<br>a) there are no fractures of any joint, member or component,<br>b) there is no loosening of joints intended to be rigid,<br>c) the lounger fulfils its function after removal of the test loads,<br>d) the product shall not overturn when subjected to the stability tests.                                                    | N/A                      |
| 7      | Safety, strength and durability requirements for other seating                                                                                                                                                                                                                                                                                                                                                                                                   |                          |
| 7.1    | General<br>Before and after the strength, durability and stability tests are carried out, the requirements of EN 581-1 shall be fulfilled.                                                                                                                                                                                                                                                                                                                       | Pass<br>(See Appendix 1) |
| 7.2    | Stability, strength and durability                                                                                                                                                                                                                                                                                                                                                                                                                               |                          |
| 7.2.1  | Test sequence and parameters<br>The seating shall be tested for strength, durability and stability following the order listed in Table 2.                                                                                                                                                                                                                                                                                                                        | See Appendix 3           |
| 7.2.2  | Requirements<br>The safety, strength and durability requirements are fulfilled after testing in accordance with Table 2 when:<br>a) there are no fractures of any joint, member or component,<br>b) there is no loosening of joints intended to be rigid,<br>c) the seating fulfils its function after removal of the test loads,<br>d) the seating fulfils the safety requirements,<br>e) the product shall not overturn when subjected to the stability tests. | Pass<br>See Appendix 3   |
| 8      | Information for use                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |

## TEST RESULT

| Clause | Test Items / Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Result |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 8.1    | <p>General</p> <p>Instruction for use shall be provided in the language(s) of the country where the seating are sold. These instructions shall be headed "IMPORTANT, RETAIN FOR FUTURE REFERENCE: READ CAREFULLY" in letters no less than 5 mm high, unless if the following information are permanently marked on the product.</p> <p>It shall contain at least the following details:</p> <p>a) name and address of the manufacturer/supplier/retailer;</p> <p>b) conditions for use of the product (domestic, camping or contract).</p> <p>If applicable:</p> <p>c) assembly instructions;</p> <p>d) instructions for the care and maintenance of the seating;</p> <p>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.</p> | Pass   |
| 8.2    | <p>Marking for loungers</p> <p>Loungers equipped with wheels, but not intended to be lifted and moved with a person in it shall be permanently marked with the pictogram as shown in Figure 2. The smallest dimension of the pictogram shall not be less than 25 mm.</p> <div style="text-align: center;">  <p><b>Figure 2 — Pictogram</b></p> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | N/A    |

### Appendix 1: Outdoor furniture -- Seating and tables for camping, domestic and contract use -- Part 1. General safety requirements (EN 581-1:2017):

| Clause | Test Method/Requirement                                            | Result |
|--------|--------------------------------------------------------------------|--------|
| 5      | Safety requirements                                                |        |
| 5.1    | General                                                            | Pass   |
| 5.2    | Tubular components.                                                | Pass   |
| 5.3    | Shear and squeeze points                                           |        |
| 5.3.1  | Shear and squeeze points when erecting, adjusting and folding away | Pass   |
| 5.3.2  | Shear and squeeze points under the influence of powered mechanisms | Pass   |
| 5.3.3  | Shear and squeeze points during use                                | Pass   |

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### **Appendix 2 Test results of loungers (according to EN 581-2:2015+AC: 2016, EN 1022:2005 determination of stability and EN1728:2012 Furniture –seating-test methods for the determination of strength and durability)**

| Clause                                                   | Test Items/ Requirement                                                                         | Result |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------|
| Table 1 — Test sequence and test parameters for loungers |                                                                                                 |        |
| 1                                                        | EN 1728:2012, 8.2 Seat and back static load test                                                | N/A    |
| 2                                                        | EN 1728:2012, 8.3 Additional seat and leg rest static load test                                 | N/A    |
| 3                                                        | EN 1728:2012, 8.4.1 Seat and back durability test                                               | N/A    |
| 4                                                        | EN 1728:2012, 8.4.2 Additional seat durability test                                             | N/A    |
| 5                                                        | EN 1728:2012, 8.5 Durability test on back rest mechanism                                        | N/A    |
| 6                                                        | EN 1728:2012, 8.6 Arm rest static load test                                                     | N/A    |
| 7                                                        | EN 1728:2012, 8.7 Arm rest durability test                                                      | N/A    |
| 8                                                        | EN 1728:2012, 8.8 Impact test                                                                   | N/A    |
| 9                                                        | EN 1728:2012, 8.9 Lifting test for mobile loungers                                              | N/A    |
| 10                                                       | A.1.2 Forward stability                                                                         | N/A    |
| 11                                                       | EN 1022:2005, Rearward stability<br>6.6 for upright position and 7.5 for most reclined position | N/A    |
| 12                                                       | A.1.1 Sideways stability                                                                        | N/A    |

### **Appendix 3 Test results of seating (according to EN1728:2012 Domestic furniture –seating-test methods for the determination of strength and durability and EN 1022:2005 determination of stability)**

| Clause                                                        | Test Items/ Requirement                                                       | Result |
|---------------------------------------------------------------|-------------------------------------------------------------------------------|--------|
| Table 2 — Test sequence and test parameters for other seating |                                                                               |        |
| 1                                                             | EN 1728:2012, 6.4 Seat static load and back static load test                  | Pass   |
| 2                                                             | EN 1728:2012, 6.5 Seat front edge static load                                 | Pass   |
| 3                                                             | EN 1728:2012, 6.17 combined Seat and back durability test                     | Pass   |
| 4                                                             | EN 1728:2012, 6.19 Durability test on seating with a multi-position back rest | N/A    |
| 5                                                             | EN 1728:2012, 6.11 Arm rest static load test                                  | Pass   |
| 6                                                             | EN 1728:2012, 6.20 Arm rest durability test                                   | Pass   |
| 7                                                             | EN 1728:2012, 6.15 Leg forward static load test                               | Pass   |
| 8                                                             | EN 1728:2012, 6.16 Leg sideways static load test                              | Pass   |
| 9                                                             | EN 1728:2012, 6.24 Seat impact test                                           | Pass   |
| 10                                                            | EN 1728:2012, 6.8 Foot rest static test                                       | N/A    |
| 11                                                            | EN 1022:2005, Forward stability                                               | Pass   |
| 12                                                            | EN 1022:2005, Rearward stability                                              | Pass   |
| 13                                                            | EN 1022:2005, Sideways stability                                              | Pass   |

#### **Notes:**

N/A =Not applicable

\*\*\*END OF THE REPORT\*\*\*