

Test Report **No.:** **64.190.22.1436.01-00**
Dated: **2022-06-17**

Applicant: Suichang Chenyang Tourism Products., Ltd
Address: No.91,Lianxi East Road,Shilian Industrial area,Suichang County,Zhejiang
Sample Submission: The samples were submitted by applicant and identified.
Product Name: Outdoor furniture
Order No.: /
Identification/Style No.: KD4BLX- ,KD2BCLCN- , KD2BCLCQ- , KD2BCXX-
Manufacturer: /
Country of Origin: China
Buyer: /
Export to: Europe
Receipt Date of Sample: 2022-05-23
Date of Testing: From 2022-05-25 to 2022-06-16
Test Result: Refer to the data listed in following pages

Conclusions:

Test Specification(s) or Test Item(s):

- | | | |
|----|---|--------------------|
| 1. | EN 581-1: 2017 Outdoor furniture – Seating and tables for camping, domestic and contract use Part - 1: General safety requirements | <u>Pass</u> |
| 2. | EN 581-2: 2015+AC:2016 Outdoor furniture – Seating and tables for camping, domestic and contract use Part - 2: Mechanical safety requirements and test methods for seating – domestic use (Excluding Clause 8 & Annex B) | <u>Pass</u> |
| 3. | EN 1022: 2018 Furniture – Seating – Determination of Stability | <u>Pass</u> |

Hardline Laboratory

TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch Testing Center

Tested By: Knight Li

Knight Li
Test Engineer



Reviewed By: Adam Hou

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Project Manager

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Description of the test subject:

1	Product Description	Outdoor furniture
2	Dimensions H x W x D (mm) / Weight (kg)	KD4BLX- : 1460~1609x 1553x 955~1735mm/46.75kg KD2BCXX- : 1441~1595x 1195x 940~1774mm/37.3kg

Sample(s) photos

KD4BLX- Front view



KD4BLX- Side view



KD4BLX- Back view



KD4BLX- Bottom view



KD2BCXX- Front view



KD2BCXX- Side view



KD2BCXX- Back view



KD2BCXX- Bottom view



KD2BCLCQ-



KD2BCLCN-



Sample preparation: the sample was stored in indoor ambient conditions for 24h

Test condition: 15~25°C 55~60%RH

Test Results:

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

Item	Requirement-test item	Result, Remark	Evaluation
5	Safety requirement	Fulfilled	P
5.1	General	Fulfilled	P
5.2	Tubular components	Fulfilled	P
5.3	Shear and squeeze points	Fulfilled	P

2. EN 581-2: 2015+AC:2016 Outdoor furniture – Seating and tables for camping, domestic and contract use Part - 2: Mechanical safety requirements and test methods for seating – domestic use

Item	Requirement-test item	Result, Remark	Evaluation
6	Safety, strength and durability requirements for loungers		N/A
7	Safety, strength and durability requirements for other seating		P
7.1	General	See EN581-1 result.	P
7.2	Stability, strength and durability		P
7.2.1	Test sequence and test parameters		
	Seat static load and back static load test EN 1728:2012, 6.4	Specified seat load: 1 600 N Load applied on seat not being tested: 750 N Specified backrest load: 410 N Minimum specified force F2 (back): 360 N Cycles: 10 Additional cycle 30 min±10 s	P
	Seat front edge static load EN 1728:2012, 6.5	Specified force: 1 300 N Seat load: 750 N Cycles: 10	P
	Combined Seat and back durability test EN 1728:2012, 6.17	Specified seat load: 1 000 N Seat load: 750 N Specified backrest load: 333 N Minimum specified force F4 (back): 300 N Cycles: 25 000	P
	Durability test on seating with a multi-position back rest EN 1728:2012, 6.19	Seat load: 750 N Specified force: 250 N Cycles: 10 000	P
	Arm rest static load test EN 1728:2012, 6.11	Vertical specified Force: 700 N Cycles: 10	P
	Arm rest durability test EN 1728:2012, 6.20	Specified force: 400 N Cycles: 10 000	P

Item	Requirement-test item	Result, Remark	Evaluation
	Leg forward static load test EN 1728:2012, 6.15	Seat load: 1 000 N Horizontal specified forces: 300 N Minimum specified force: 175 N Cycles: 10	P
	Leg sideways static load test EN 1728:2012, 6.16	Seat load: 1 000 N Horizontal specified forces: 300 N Minimum specified force: 175 N Cycles: 10	P
	Seat impact test EN 1728:2012, 6.24	Drop height: 180 mm Cycles: 10	P
	Foot rest static test EN 1728:2012, 6.8	Vertical specified force: 1 000N Cycles: 10	N/A
	Forward stability	See EN1022 result.	P
	Rearward stability	See EN1022 result.	P
	Sideways stability	See EN1022 result.	P
7.2.2	Requirements		P
8	Information for use	Not provided	N/T
8.1	General	Not provided	N/T
8.2	Marking for loungers		N/A
Annex A	Forward and sideways stability tests for loungers		N/A
A.1	Test procedure		/
A.1.1	Sideways stability	See clause 6.2.1 result.	N/A
A.1.2	Forward stability	See clause 6.2.1 result.	N/A
Annex B	Purchase information (guidelines)	No purchase information for use was provided.	N/T

3.EN 1022: 2018 Furniture – Seating – Determination of Stability

Item	Requirement-test item	Result, Remark	Evaluation
1	Scope		/
2	Normative references		/
3	Terms and definitions		/
4	General test conditions		/
5	Test equipment		/
6	Determination of seat and back loading points		/
7	Test methods for assessing stability of all seating except loungers		/
7.2	Requirements	No overturning was found during the test.	P
7.3.1	Forwards overturning	Fulfilled	P
7.3.2	Forwards overturning for seating with foot rest		N/A
7.3.3	Corner stability test	Fulfilled	N/A

7.3.4	Sideways overturning, all seating without arm rests		N/A
7.3.5	Sideways overturning, all other seating	No overturning was found	P
7.3.5.2	Seating with arm rests	Fulfilled	P
7.3.5.3	Seating with raised side edges		N/A
7.3.6	Rearwards overturning all seating with back rests	Fulfilled	P
7.4	Additional test procedures for seating with reclining back rests		P
7.4.2	Tilting seating	No overturning was found	P
7.4.3	Reclining seating with leg rest	No overturning was found	P
7.4.4	Reclining seating without leg rest		N/A
7.4.5	Rearwards stability test for rocking chairs		N/A
8	Loungers		N/A
8.2	Requirements		N/A
8.3.1	Forwards overturning		N/A
8.3.2	Sideways overturning		N/A

Remark:

1. Abbreviation: P=Pass; F=Fail; N/A=Not Applicable; N/T=Not Tested; N/R=Not Requested.
2. The test results exclusively base on the submitted samples.
3. Stability test were conducted before and after the mechanical safety test, and the test result was pass.
4. As the client's claim, KD2BCLXX- and KD2BCXX- is identical with the test sample KD2DBCLCN-WBH expect the color.

-End of Test Report-