

TEST CERTIFICATE n. 231.Z.2004.141.EN.01

References: 2002004-04, 2006104-03-Ci

PRODUCT: **KIMONO CHAIR**

COMPANY: **VONDOM, S.L.U.**
 Avda. de Valencia, nº 3
 46891 PALOMAR –Valencia (SPAIN)
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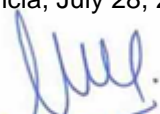

TEST: Compliance with the following standards:
ANSI/BIFMA X5.4-2020 Public and Lounge Seating. Test.
UNE EN 581-1: 2017 Outdoor furniture. Seating and tables for camping, domestic and contract use. Part 1: General safety requirements.
UNE EN 581-2:2016/AC 2016 Outdoor furniture. Seating and tables for camping, domestic and contract use. Part 2: Mechanical safety requirements and test methods for seating.

RESULT: Satisfactorily complies with the specifications set by the ANSI/BIFMA X5.4-2020, for single type C seats and UNE EN 581-1: 2017 & UNE EN 581-2:2016/AC 2016 for outdoor furniture for contract use, according to the following tests, applicable to the product:

TESTS		RESULT
ANSI/BIFMA X5.4-2020	4. Type of chair (simple seat)	Type C
	5. Backrest horizontal static load test (Fh1= 667N, t=1 min. Fh2 = 1112N, t =10 sec.)	CORRECT
	7. Backrest durability Test. Horizontal. (Fh= 334 N, n= 120.000 cycles)	CORRECT
	14. Seating durability test (M= 57 kg, h= 30 mm, n= 100 000 cycles)	CORRECT
	15. Impact test (h=152 mm., M1=102 kg, M2=136 kg)	CORRECT
	16. 3 Leg forward static load test (Fh1= 334N t=1 min, Fh2= 503N, t =10sec.)	CORRECT
	16. 4 Leg sideways static load test (Fh1= 334N, t= 1min. Fh2= 503N, t = 10 sec)	CORRECT
	17. Unit drop test – Dynamic (h = 180 mm, n= 2 times)	CORRECT
	21.3 & 21.5 Front and rear stability test	CORRECT
24. Structural durability test (Q= 190kg, Fh 334N, N= 15.000 cycles)	CORRECT STABLE	
UNE EN 581-1:2017 Safety. General requirements		APPROVED
UNE EN 581-2:2016/AC 2016	§. 7.1. General	APPROVED
	§. 7.2. Safety, Strength and Durability Requirements	
	- Test 1 Seat and back static load test (Fv=2000 N, Fh= 560 N, n=10 +1)	CORRECT
	- Test 2 Seat front edge static load test (Fv= 1 300N, 10 times)	CORRECT
	- Test 3 Seat and back fatigue test (Fv = 1000 N, Fh= 333 N, n= 50 000 cycles)	CORRECT
	- Test 7 Leg forward static load test (M=100 kg, Fh=293 N, n= 10 times)	CORRECT
	- Test 8 Leg sideways static load test (M = 100 kg, Fh= 300 N, n =10 times)	CORRECT
	- Test 9 Seat impact test (M= 25 kg, h= 240 mm., 10 times)	CORRECT
	STABILITY §. 7.3.– Test procedures, all seating (UNE EN 1022:2019)	
(7.3.1. Forwards overturning; 7.3.3 Corner stability; 7.3.4. Sideways overturning, all seating without arms; 7.3.6. Rearwards overturning all seating with back rests)	STABLE	

Valencia, July 28, 2020

P.A.

Signed: José Emilio Nuévalos
 Furniture and Products Laboratory
 Head of Section

This certificate only refers to the samples tested by the AIDIMA laboratory.

The particular results of the tests are described in technical report N. 231.I.2007.297.ES.01 dated on 21/07/2020.

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